

LAND APPLICATION PERMIT

PERMIT NO. 92-351  
SEE SPECIAL CONDITIONS

Marathon Pipe Line Co. - Rock Creek Station Road Application

This permit hereby authorizes the applicant:

Marathon Pipe Line Company  
P.O. Box 2330  
Casper, Wyoming 82602

to land apply 8,000 cubic yards of crude oil contaminated soil. The application site is located in Sections 4, 9, 15, 16, 22, 23, 25, 26, 27, & 35 of T20N, R78W and Section 2 of T19N, R78W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

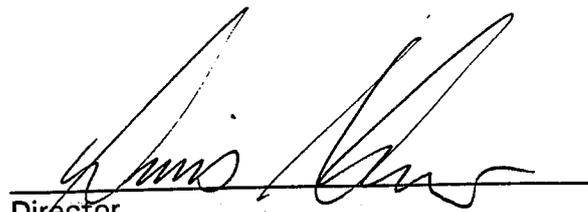
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this permit.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

12-10-92  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL CONDITIONS

- 1 of 6. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
- 2 of 6. The application site slope shall not exceed 8 percent for vehicular application or 15 percent for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
- 3 of 6. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 4 of 6. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 122 West 25th Street, Herschler Building, 4 West, Cheyenne, WY 82002, phone number 777-7781 to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section ) and time of application.
- 5 of 6. Waste oil and sludges applied to a road will be mechanically incorporated into the road bed as it is applied. Wastes will not be applied when frost conditions would not allow for the proper mechanical incorporation into the road bed (approximately November 1 to April 30).
- 6 of 6. Until such time as permission forms are obtained for the private roads described in the application, road application of the wastes shall only be allowed on Carbon County Road 1. After receipt by this office of the appropriate permission forms, road application of the wastes on the private roads may commence.

RLE/nc 24545.LTR

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-352  
\* CONDITIONED \*

Opal Gas Conditioning Plant  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Northwest Pipeline Corp.

295 Chipeta Way, M.S. 10368

Salt Lake City, UT 84158-0900

to construct a monitoring well to replace one damaged by machinery (old Permit to Construct #87-397) according to the procedures and conditions of the application No. 92-352. The facility is located in NW¼ Section 27, T21N, R114W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

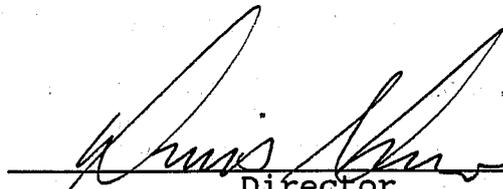
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

10-29-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DG/jyi

\* CONDITIONS CONTINUED on PAGES 3 - 5 \*

### Conditions for Monitoring Wells

1. of 11 The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-352. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 11 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. of 11 After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. of 11 A waterproof protective casing and locking cap is required on all monitoring wells. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered on the outside of the protective casing and on the inside of the well cap.
5. of 11 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. of 11 In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:

- a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
  - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
  - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
  - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
  - e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
  - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
  - g. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected. If contaminants are present or expected to be present, development water should be disposed of in accordance with all state and federal regulation;
  - h. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
7. of 11 DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
8. of 11 Within 90 days of issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. A chronology of events leading up to the investigation;
  - b. A site map showing physical features, well locations and elevations;
  - c. The monitoring well elevation should be measured from the top of casing and that measuring point should be clearly marked on the inside of the casing with an arrow (^).
  - d. Final location, construction details and logs of all monitoring wells;

- e. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
  - f. Water level and product thickness measurements;
  - g. Sample collection procedures;
  - h. Sampling analytical results;
  - i. Maps delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
  - j. A potentiometric surface map showing the direction of groundwater movement; and
  - k. Interpretation of data and conclusions including recommended remedial measures.
9. of 11 Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
10. of 11 The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the Lander DEQ/WQD office as soon as they are available.
11. of 11 The ground water shall be sampled in May and November of each year and analyzed for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) in accordance with the sampling plan contained in Permit to Construct 87-397.

cc: Jake Strohman

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-353

Lower Snake Draw Reservoir Core Holes  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

FMC Wyoming Corporation

P.O. Box 872

Green River, WY 82935

to drill a series of geotechnical core holes in the existing containment pond dike according to the procedures and conditions of the application No. 92-353. The facility is located in NW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> Section 22, T19N, R110W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

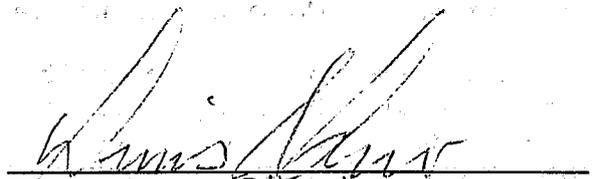
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

10/26/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DG/jyi

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-354  
\* CONDITIONED \*

Butters Septic System  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Brent Butters

HC 68 Box 2806

Lyman, WY 82937

to construct a mounded wastewater soil absorption system according to the procedures and conditions of the application No. 92-354. The facility is located in NW $\frac{1}{2}$  of Section 29, T16N, R114W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of one (1) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

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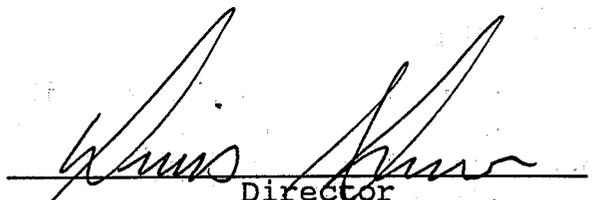
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11/5/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

\* CONDITION \*

The county of Uinta shall be contacted a minimum of 48 hours prior to construction to give them an opportunity for construction inspection.

LAND APPLICATION PERMIT

New

PERMIT NO. 92-355

Renewal

SEE SPECIAL CONDITIONS

Modified

ROCKY BUTTE ROAD APPLICATION

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

McClure Enterprises, Inc.  
12.80 Olmstead Road  
Recluse, WY 82725

to land apply produced water according to the procedures and conditions of the application No. 92-355. The application site is located in Sections 19 and 20, T57N, R71W; and Sections 13, 14, 24, T57N, R72W, in the County of Campbell in the State of Wyoming.

This permit shall be effective until November 13, 1992.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

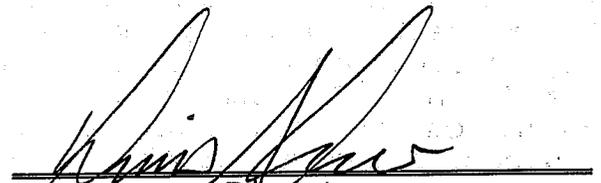
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

10-22-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:10/16/92

LAND APPLICATION SPECIAL CONDITIONS

1 of 4. The produced water shall be applied uniformly to the respective road sections contained within the application package.

Land Application Special Conditions, (Continued)

The application of produced water until November 13 shall be allowed on a one time basis providing saturated and/or frozen soil conditions do not exist.

2 of 4. The application site slope shall not exceed eight percent (8%) for vehicular application.

3 of 4. The application of produced water shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4 of 4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much material will be applied, the specific site of application (to the nearest 1/4 section) and time of application.



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002  
 Administration (307) 777-7937 Air Quality Division (307) 777-7391 Land Quality Division (307) 777-7755 Solid Waste Management Program (307) 777-7752 Water Quality Division (307) 777-7781 FAX (307) 777-5273

FAX TRANSMITTAL

TO: Don McKensie FAX # 674-6050  
 FROM: Barb  
 DATE: 10-22-92 # OF PAGES 4  
 REMARKS: 92-356 won't be signed until Friday - Sorry!

TRANSMISSION REPORT

USER NAME : WQD

THIS DOCUMENT WAS CONFIRMED  
 (REDUCED SAMPLE ABOVE - SEE DETAILS BELOW)

\*\* COUNT \*\*

TOTAL PAGES SCANNED : 4  
 TOTAL PAGES CONFIRMED : 4

\*\*\* SEND \*\*\*

No.	REMOTE STATION	START TIME	DURATION	#PAGES	MODE	RESULTS
1	SHERIDAN WQ	10-22-92 9:13AM	2'25"	4/ 4		COMPLETED 9600

TOTAL 0:02'25" 4

NOTE:

No. : OPERATION NUMBER 48 : 4800BPS SELECTED EC : ERROR CORRECT G2 : G2 COMMUNICATION  
 PD : POLLED BY REMOTE SF : STORE & FORWARD RI : RELAY INITIATE RS : RELAY STATION  
 MB : SEND TO MAILBOX PG : POLLING A REMOTE MP : MULTI-POLLING RM : RECEIVE TO MEMORY

LAND APPLICATION PERMIT

New

PERMIT NO. 92-356

Renewal

SEE SPECIAL CONDITIONS

Modified

LANCE CREEK ROAD APPLICATION

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Marathon Oil Company  
P.O. Box 2690  
Cody, WY 82414-2690

to land apply waste crude oil and sludges according to the procedures and conditions of the application No. 92-356. The application site is located in Sections 5 and 6, T35N, R65W in the County of Niobrara in the State of Wyoming. This permit shall be effective until November 1, 1992.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

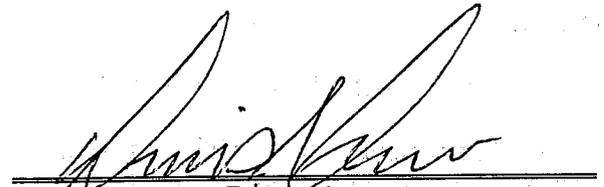
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

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The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

10-23-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:10/16/92

LAND APPLICATION SPECIAL CONDITIONS

1 of 5. Crude oil stained soils shall be applied uniformly. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist. Crude oil

Land Application Special Conditions, (Continued)

stained soils shall not be applied during the period from November 1 to April 10.

2 of 5. The application site slope shall not exceed eight percent (8%) for vehicular application.

3 of 5. Crude oil stained soils application shall be terminated with 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4 of 5. Any waste crude oil and sludge application after November 1, 1992 must be repermited.

5 of 5. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-357  
SPECIAL CONDITIONS

McDonald's Sanitary Sewer Collector Line

This permit hereby authorizes the applicant:

McDonald's  
5920 Yellowstone Road  
Cheyenne, WY 82009

to construct, install or modify a commercial sewer collector line according to the procedures and conditions of the application number 92-357. The facility is located in NE 1/4 Section 14 T13N R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion

of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

11-4-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

**SPECIAL CONDITIONS**

- 1 of 1. Because this sewer collector line is a dead-end and is less than 8 inches in diameter, it cannot be extended in the future, nor can any additional services be tied into it unless specifically authorized by a new permit.

RLE/nc 24081.LTR

PERMIT TO CONSTRUCT

New

Permit No. 92-358R

Renewal

Modified

Naughton Power Plant  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Pacificorp

1407 West North Temple, Suite 210

Salt Lake City, UT 84140

to construct a series of soil boring, monitoring wells, and piezometers according to the procedures and conditions of the application No. 92-358R. The facility is located in on the Naughton Power Plant site in T21N, R116W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

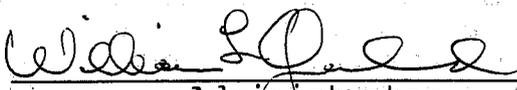
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

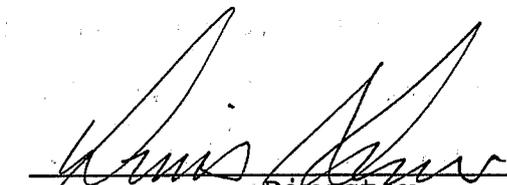
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11/5/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DG/jyi

\* Conditions on Pages 3 thru 6 \*

### Conditions for Monitoring Wells

1. of 11 The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-358R. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 11 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. of 11 After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. of 11 A waterproof protective casing and locking cap is required on all monitoring wells. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered on the outside of the protective casing and on the inside of the well cap.
5. of 11 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. of 11 In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:

- a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
  - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
  - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
  - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
  - e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
  - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
  - g. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected. If contaminants are present or expected to be present, development water should be disposed of in accordance with all state and federal regulation;
  - h. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
7. of 11 DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
8. of 11 Within 90 days of issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. A chronology of events leading up to the investigation;
  - b. A site map showing physical features, well locations and elevations;
  - c. The monitoring well elevation should be measured from the top of casing and that measuring point should be clearly marked on the inside of the casing with an arrow (^).
  - d. Final location, construction details and logs of all monitoring wells;

- e. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
  - f. Water level and product thickness measurements;
  - g. Sample collection procedures;
  - h. Sampling analytical results;
  - i. Maps delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
  - j. A potentiometric surface map showing the direction of groundwater movement; and
  - k. Interpretation of data and conclusions including recommended remedial measures.
9. of 11 Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
10. of 11 The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.
11. of 11 Sampling of all wells will be performed in accordance with the previously accepted plan designed for the Plant. All new wells shall be sampled initially for the long list (full suite) regardless of date of completion of the well. The annual sampling plan shall specifically consist of the following analytical parameters:

The Spring sampling event should consist of a full suite of parameters, detailed below:

General

Water level elevation  
Field and lab pH  
Field and lab conductivity  
Field and lab temperature  
Total Dissolved Solids (TDS)  
Total Cations  
Total Anions  
Total alkalinity

Major Cations

Sodium  
Potassium  
Calcium  
Magnesium

**Major Anions**

Sulfate  
Bicarbonate  
Carbonate  
Chloride  
Nitrate  
Fluoride

**Tracer Elements**

Arsenic  
Boron  
Cadmium  
Chromium  
Cobalt  
Lead  
Manganese  
Nickel

The Fall sampling event should consist of a short indicator set of parameters:

Water level elevation  
Total Dissolved Solids (TDS)  
Sulfate  
Chloride  
Field and Lab pH  
Field and Lab Conductivity

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-359

Snow King Snowmaking Water Line  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Manuel Lopez

P.O. Box SKI

Jackson, WY 83001

to construct about 160 L.F. of 6 inch DIP water line to booster station according to the procedures and conditions of the application No. 92-359. The facility is located in NW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 34, T41N, R116W in the County of Teton, in the State of Wyoming.

This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

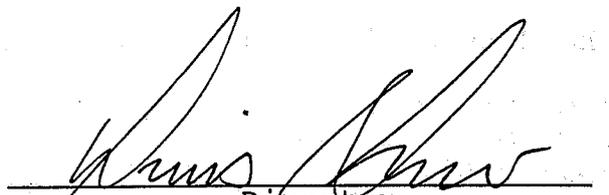
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11/5/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-360  
SPECIAL CONDITIONS  
REFERENCE PERMIT 89-008

Crest Ridge 2nd Filing, Phase 1b

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities  
2100 Pioneer Avenue  
Cheyenne, Wyoming 82001

to construct, install or modify a public water distribution system and a public wastewater collection system according to the procedures and conditions of the application number 89-008. The facility is located in NE 1/4 Section 21 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

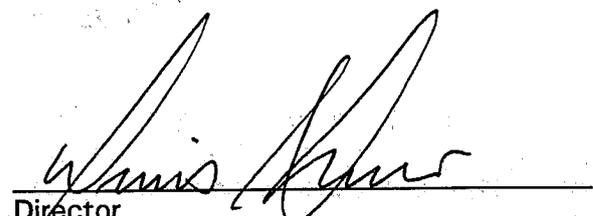
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

11-25-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

**SPECIAL CONDITIONS**

1 of 1. This renewal permit is based on the statement in the October 15, 1992 letter submitted by Joseph E. Kub, P.E. that the plans have not changed from those submitted and approved under DEQ Permit Number 89-008. Also, a comparison of the archived plans for 89-008 with those submitted with this application verifies that they are the same plans. Therefore, a renewal permit is issued based on the fact that no changes to the original plans are indicated.

RLE/bb/24402.ltr

cc: Kub Engineering

**PERMIT TO CONSTRUCT**

New

Permit No. 92-361R

Renewal

Modified

**Vista Grande Lift Station/Pressure Sewer**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Tom Schell

P.O. Box 294

Jackson, WY 83001

to construct a gravity sewer, lift station and pressure sewer according to the procedures and conditions of the application No. 92-361R. The facility is located in NW $\frac{1}{4}$  Section 13, NE $\frac{1}{4}$  Section 14, T41N, R117W in the County of Teton, in the State of Wyoming.

This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

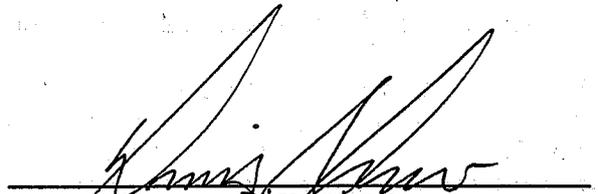
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-25-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi



MIKE SULLIVAN  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

October 26, 1992

Hal H. Hutchinson  
City of Casper  
200 North David  
Casper Wyoming 82601

RE: Permit application #92-362

Dear Mr. Hutchinson:

Enclosed are the applications for a permit to land apply dried sludges from the Sam H. Hobbs Regional Wastewater Treatment Plant. Review of this application indicates that a permit is not required for the following reasons:

1. The Casper Sludge Management Plan was approved by this department on April 10, 1985. This approval included the application of dried sludges to parks, etc.
2. Your request for approval to distribute the dried sludges to the general public is not consistent with the requirements of your NPDES permit which only authorizes application to parks, etc.
3. It is our opinion that you already have authority to apply the dried sludges to your parks, etc. and no additional authorization is required by this department. Of course this authorization applies only to the pre and post Amoco sludges. Disposal of the Amoco sludges will require the concurrence of EPA and the Solid and Hazardous Waste Division.

If you wish to pursue distribution of sludges to the general public it will be necessary to modify your NPDES permit through the EPA and/or the state. As you know, federal regulations are expected to be final next month.

Sincerely,

William L. Garland

WLG/LR/nc 23987.LTR

cc: Susan Stanley  
John Wagner  
Larry Robinson

*October, 1992*  
**CLEAN WATER MONTH**

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

PERMIT NO. 92-363

BURGESS JUNCTION VISITOR CENTER SEPTIC SYSTEM  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

USDA, Forest Service, BHNF, Tongue River District  
1969 South Sheridan Avenue  
Sheridan, WY 82801

to construct, install or modify a wastewater treatment facility according to the procedures and conditions of the application No. 92-363. The facility is located in the NW/4, Section 32, Township 56 North, Range 88 West, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

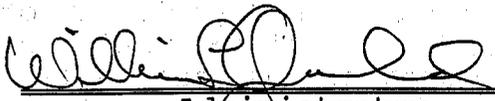
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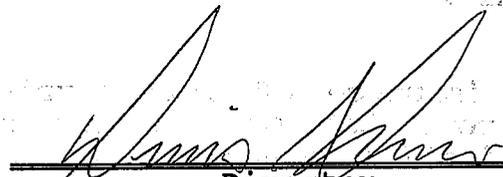
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Supervisor, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2-10-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:02/04/93

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-364RR  
\*CONDITIONS\*

Wyoming Boys School Water and Sewer  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

David Renaud

Wyoming Boys' School

Route 2, 1550 Highway 20 South, Worland, WY 82401

to construct a water transmission line from Worland, and sewage collection/pumping stations from school to Worland according to the procedures and conditions of the application No. 92-364RR. The facility is located in Sections 2, 3, 10, 15, T.46N., R.93W. and Sections 25 and 35, T.47N., R.93W. in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of three (3) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

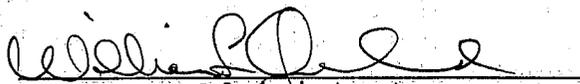
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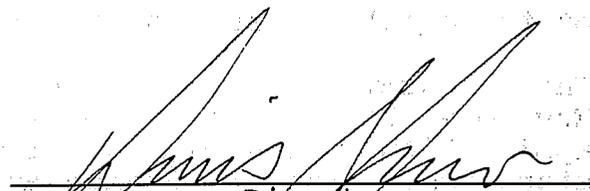
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

5/19/93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH:mam

**\*CONDITIONS ON PERMIT\***

Permit to Construct  
92-364RR  
Page 3  
Page 3

Permit to Construct 92-364RR  
Page 3

CONDITIONS ON PERMIT

- 1 of 2      The existing wastewater treatment lagoon must be reclaimed within one year of removal from service and in accordance with all Dept. of Environmental Quality, Water Quality Division regulations.
  
- 2 of 2      The Operation and Maintenance manual for the lift stations must be completed in accordance with the DEQ/WQD Chapter XI, Section 24, Regulations and delivered to the Wyoming Boys School prior to the startup of the system.

92-365

THE STATE



OF WYOMING



MIKE SULLIVAN  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

January 22, 1993

Mr. Bob Neufeld  
Manager of Environmental Operations  
Wyoming Refining Company  
1600 Broadway, Ste. 2500  
Denver, CO 80202

RE: "As-Built" authorization; Piezometers TP-1, TP-2 and TP-3

Dear Mr. Neufeld:

This letter is in response to Wyoming Refining Company's (WRC) request for Wyoming Department of Environmental Quality (DEQ) Water Quality Division (WQD) "as-built" authorization for construction of the above mentioned piezometers.

On October 19, 1992 WRC submitted a completed application to WQD for authorization (Permit to Construct) to install these piezometers. Upon request (personal comm., Dr. Davis, November 6, 1992), WQD agreed in good faith to allow WRC to proceed with the installation of these wells without a Permit to Construct, provided that the following requirements be honored:

- (a) the piezometers be constructed in accordance with the construction detail submitted with the application; modified as necessary to address (b) below;
- (b) the piezometers not be installed as "temporary" piezometers;

NOTE: To facilitate WRC's concern (as relayed by Dr. Davis) with longer term installation, WQD agreed to allow WRC to either construct "recessed" wells (for use in locations used for vehicular traffic), or reasonably adjust their physical location (to avoid potential surface and subsurface hazards).

As indicated in the above referenced communication with Dr. Davis, WQD, through this letter, is providing "as-built" approval for these piezometers with the following conditions:

1 of 11 Compliance with requirements (a) and (b) above must be documented:

- a. Evaluation of WRC's fulfillment of requirement (a) will be determined as based upon submittal of "as-built" well construction details;
- b. Evaluation of WRC's fulfillment of requirement (b) will be determined upon submittal of the monitoring data (parameters and coverage) required pursuant to the Amended Final Order (District Court of the First Judicial District; Docket #118-463).

DEQ remains consistent with its original intent that the newly constructed piezometers be monitored simultaneously (Item #10, pg. 5; Amended Final Order) and together with those remaining piezometers yet to be installed (Item #6, pg. 5, and Attachment 1; Amended Final Order) to illustrate the influence, if any, which hydraulic loading from the ponds may be having on the groundwater gradient.

DEQ recommends that WRC monitor these piezometers as set forth in the Amended Final Order, timed such that the information from these wells is collected simultaneously with other wells set forth in the Amended Final Order, and is appropriate for the use for which it is intended. Should this data conclusively identify the existence of hydraulic mounding from the ponds, DEQ would not insist upon the installation of additional "pond series" piezometers to meet this objective. To preclude future, additional piezometer installation, DEQ suggests that the newly constructed piezometers be left in place until the question of hydraulic mounding has been resolved, or until the remaining piezometers pursuant to the Amended Final Order have been installed and monitored according to the Order.

2 of 11 Piezometer construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Piezometer casings shall meet the conditions provided in Chapter XI, Section 67. All piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.

3 of 11 After the piezometers have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Observation or test wells used in the investigation or management of useable sources of groundwater by state agencies are not considered "abandoned" so long as they are maintained for this purpose. No piezometer should be abandoned without prior approval from the Water Quality Division.

- 4 of 11      Piezometer caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the piezometers shall be reported immediately to the Division. The piezometers shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 5 of 11      The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required.
- 6 of 11      In addition to the piezometer construction information submitted with the permit application, the following items relating to piezometer construction shall be implemented:
- a.      A protective casing ("stick-up" or recessed) shall be cemented into place forming a concrete apron sloping away from the piezometer;
  - b.      A cap of the same material as the piezometer casing shall be installed to prevent surface water from entering the piezometer;
- 7 of 11      DEQ/WQD personnel shall be given at least two weeks notice prior to sample collection so that DEQ/WQD personnel may be on site if deemed necessary.
- 8 of 11      Within 45 days of the date of this letter, the following shall be submitted to WQD:
- a.      A site map showing the site's physical features, piezometer locations and designation numbers, and mean sea level elevations of the top of casing/measuring point;
  - b.      "As-built" construction details and lithologic (borehole) logs of piezometers, noting any deficiencies with respect to these conditions, and WRC's plan and schedule to resolve such deficiencies;
  - c.      Any water level and product thickness measurements taken;
- 9 of 11      Proper piezometer evacuation shall include removal of a minimum of 3 casing volumes prior to sampling, or pumping the piezometer dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.

Mr. Bob Neufeld  
January 22, 1993  
Page 4

- 10 of 11      Water which is collected during piezometer development or sampling must be disposed of properly. The Applicant must contact the City for authorization to dispose into the local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.
- 11 of 11      The results of any monitoring or analyses conducted on soil or water removed from these piezometers or boreholes shall be provided to the department as soon as they are available.

Since a Permit to Construct cannot be issued for facilities which have already been constructed, WRC's application for the Permit is being returned.

Please feel free to call [(307)-777-5985] should you have any questions.

Sincerely,



Kevin D. Frederick  
Supervisor  
Groundwater Pollution Control Program  
Water Quality Division

KDF/jn - 30308.ltr

attachment

cc:    Dr. Richard Davis, Geotechnical Corp., Laramie (w/o attachment)  
      Bill Flynn, AG's Office (w/o attachment)  
      Bill Garland, WQD, Cheyenne, (w/o attachment)  
      Dennis Hemmer, DEQ, Cheyenne, (w/o attachment)  
      Randy Lamdin, USEPA, Denver (w/o attachment)  
      GPC File: WRC: Progress; Amended Final Order (w/attachment)  
      IPS: Permit Application #92-365 (w/attachment)

92-366

Rock Springs Pipeline Phase III

Taylor

Date

Action

60-days

~~10/26/92~~

ur

*cbase*

12/26/92

*Same as 92-377 / Cancelled  
11-9-92*

LAND APPLICATION PERMIT

PERMIT NO.: 92-367R  
SEE SPECIAL CONDITIONS

Cameron Sludge Application Site  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Teton Village Water & Sewer District

P.O. Box 586

Teton Village, WY 83025

to land apply about 20 dry tons of municipal sludge to about 11 acres of hayland. The application site is located in Section 20, 21, 23 T38N, R115W in the county of Sublette in the State of Wyoming. This permit shall be effective for a period of one (1) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allow under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the disposal method described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

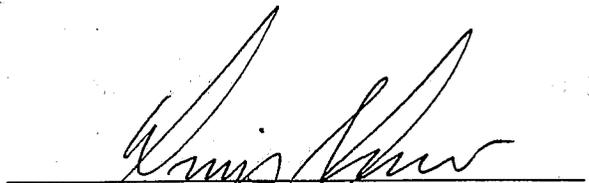
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions of this permit.

Nothing in this permit shall be construed to preclude the constitution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringements of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11/12/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

Conditions to Land Application Permit

1. of 5. Sludge shall be applied at a rate which will not produce runoff or ponding. Applications shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. of 5. The application site slope shall not exceed 8 percent.
3. of 5. Sludge application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainage, irrigation canals, lakes and reservoirs.
4. of 5. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Randall Taylor, 210 Lincoln St., Lander, WY 82520 phone number 332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much sludge will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.

JH/anc

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-368

Cache Street Restaurant/Retail Complex  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Joe Rice

P.O. Box 3337

Jackson, WY 83001

to construct a grease trap and sewer according to the procedures and conditions of the application No. 92-368. The facility is located in SW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 27, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

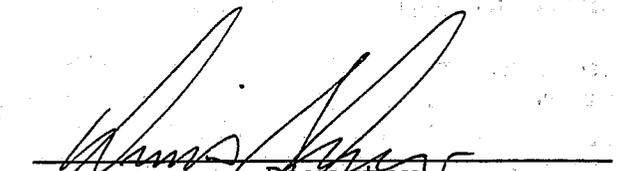
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-25-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi

PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 92-369R  
SPECIAL CONDITIONS

Little America Refinery (LARCO)

This permit hereby authorizes the applicant:

T.E. Crull  
Sinclair Oil Corp.  
P.O. Box 510  
Evansville, WY 82636

to construct, install or modify RFI Phase II Groundwater Monitoring Wells, Soil Borings and Hydropunch according to the procedures and conditions of the application number 92-369R. The facility is located in Section 5,6,31,32, T83N,34N, R78W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

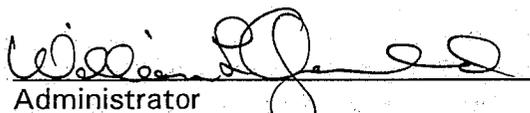
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

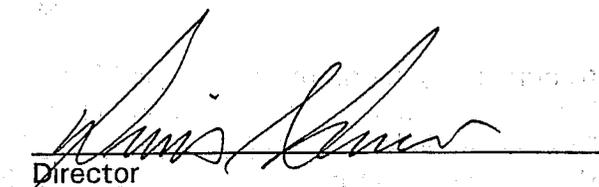
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: K. Frederick, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

5/7/93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL CONDITIONS

- 1 of 16 The groundwater monitoring wells/piezometers/soil borings/Hydropunches shall be installed in accordance with the conditions of this permit, and the plans and specifications submitted in Permit to Construct application number 92-369 and in the November 19, 1991 RFI Workplan presented to DEQ/WQD. Additional monitoring wells/piezometers/soil borings/Hydropunches meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
- 2 of 16 Monitoring well/piezometer construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Monitoring well/piezometer casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
- 3 of 16 All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.

PERMIT NO. 92-369R

- 4 of 16 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.
- 5 of 16 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
- 6 of 16 After the monitoring wells/piezometers/soil borings/Hydropunches have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
- 7 of 16 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells/piezometers shall be reported immediately to the Division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 8 of 16 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 9 of 16 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells/piezometers shall be installed to define the nature and extent of the contamination.
- 10 of 16 In addition to the well/piezometer construction information submitted with the permit application, the following items relating to well/piezometer construction shall be implemented when the wells/piezometers are constructed, installed and developed:
  - a. The borehole diameter shall be at least four (4) inches larger in diameter than the casing diameter;
  - b. For water table (unconfined) aquifers, the screened interval shall extend at least two (2) feet above the highest expected groundwater level. Monitoring wells/piezometers installed in confined and semi-confined aquifers shall be constructed in accordance with Chapter XI, Section 68 of Water Quality Division Rules and Regulations. Factory screen or slotted casing is recommended for the perforated interval;

PERMIT NO. 92-369R

- c. When PVC casing is used, the casing shall be installed using threaded joints, couplings, or mechanical connectors without the use of solvents or glues to hold the casing sections together;
  - d. To minimize the entrance of fine grained material into the well/piezometer, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval.
  - e. The filter pack shall extend to a minimum of one (1) foot above the screened interval;
  - f. Filter pack, annular seal, and surface seal material shall be entered into the well/piezometer in a manner such that no voids or bridging occur;
  - g. A minimum two (2) foot thickness of bentonite or bentonite grout is required at the top of the filter pack to serve as an annular seal. After the bentonite has been placed in the annular space, it shall be hydrated to insure a proper seal.
  - h. The annular space above the bentonite seal to within one foot (1') of the surface will be sealed with Portland cement, sand-cement grout, or bentonite grout.
  - i. A protective casing shall be cemented into place when the upper one (1) foot of the annular space is completed with cement, forming a concrete apron sloping away from the well/piezometer;
  - j. A top and bottom cap of the same material as the well/piezometer casing shall be installed to prevent sediment and surface water from entering the well/piezometer;
  - k. The monitoring well/piezometer shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
- 11 of 16 DEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor wells/piezometers and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.
- 12 of 16 A report of investigation (**Phase II Technical Memorandum**) shall be submitted to WQD after completion of the exploratory drilling program and in accordance with Appendix C, Section 10.0 of the RFI Workplan submitted to DEQ/WQD. This report shall contain at a minimum:
- a. A site map showing the physical features, monitoring well/piezometer/borehole Hydropunch locations, and mean sea level elevations of the top of casing/measuring point;

PERMIT NO. 92-369R

- b. The exact latitude and longitude for each of the monitor wells/piezometers being constructed under this permit. These figures shall be accurate to the nearest one (1) second of latitude and longitude;
  - c. Final location, construction details and lithologic logs of monitor wells/piezometers/boreholes;
  - d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geologic materials and groundwater occurrence;
  - e. Depth to water and product thickness measurements;
  - f. Sampling analytical results;
  - g. A map delineating the extent of the subsurface contamination including LNAPL (free product), soil and dissolved groundwater contamination and concentrations;
  - h. A potentiometric surface map showing the direction and gradient of groundwater flow.
- 13 of 16 Proper monitoring well/piezometer evacuation shall include removal of a minimum of three (3) casing volumes prior to sampling or pumping the well/piezometer dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with the procedures established in Appendix B of the RFI Workplan presented to DEQ/WQD.
- 14 of 16 All monitor wells/piezometers constructed under this Permit shall be sampled and the groundwater analyzed according to the frequency and analytes presented in Table 24 of LARCO's RCRA Facility Investigation, Waste Characterization and Detection Phase Soil Sampling document.
- 15 of 16 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly. The Applicant must contact the City for authorization to dispose into the local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.
- 16 of 16 The results of any analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.

RE

PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 92-370  
SPECIAL CONDITIONS

Western Gas Resources - Deep Anode Beds

This permit hereby authorizes the applicant:

Western Gas Resources  
c/o James Bucklin  
209 North Works  
Gillette, Wyoming 82716

to construct, install or modify a deep bed anode system according to the procedures and conditions of the application number 92-370. The facility is located in Statewide in the county of Statewide, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

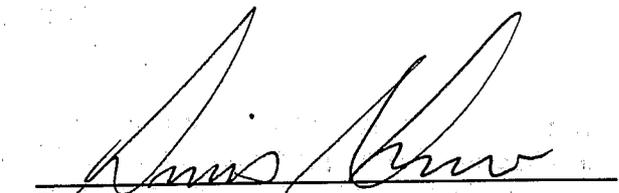
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Program Supervisor, UIC Section, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division

  
Director  
Department of Environmental Quality

11-10-92  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL CONDITIONS

- 1 of 6. The cathodic protection deep anode bed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 92-370.
- 2 of 6. After the deep anode beds have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 45 days after a well has been plugged and abandoned, the owner shall file a plugging record with WQD.
- 3 of 6. In addition to the anode bed construction information submitted with the permit application, the following items relating to construction shall be implemented when the anode beds are installed:
  - a. A seal of bentonite or bentonite grout is required from the surface to a minimum depth of 3 feet. A second bentonite or bentonite grout seal is required for a minimum thickness of 3 feet, just above the top of the coke

PERMIT NO. 92-370

breeze. After the bentonite has been placed in the hole, it shall be hydrated to insure an proper seal. The remainder of the hole between these seals may be backfilled with cuttings.

- b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
  - c. The coke breeze shall be a high quality product containing a minimum of leachable metals or organic pollutants. The coke breeze shall not discharge any pollutant which will cause a groundwater standards violation.
  - d. Surface access to the anode shall be kept sealed and locked at all times when the anode is not actually being serviced.
  - e. Each separate aquifer penetrated shall require a separate breather pipe. Each aquifer shall remain in hydrologic isolation from each other if they were isolated prior to installation.
- 4 of 6. Within 45 days after the anodes are installed, as-built construction plans shall be submitted to the DEQ/WQD, detailing how groundwater was protected during installation.
- 5 of 6. If it becomes necessary to wet any anode installed under this permit, only water from an approved public water supply shall be used unless DEQ/WQD is first supplied with an analyses of the water for approval. Waters that originate in sources other than an approved public water supply shall not be used unless first approved.
- 6 of 6. An unlimited number of similar anodes may be installed under this permit. This authorization applies to Western Gas Resources and all subsidiary companies operating in Wyoming. All anodes installed under this permit shall have similar construction specifications.

RFL/jn - 24154.ltr

ROAD APPLICATION PERMIT

PERMIT NO.: 92-371  
Ref. Permit No. 91-340  
SEE SPECIAL CONDITIONS

Little Buffalo Basin Road Repair Application  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Apache Corporation

P.O. Box 127

Meeteetse, WY 82433

to road apply 700-900 barrels of produced water for prewetting for roadway repair according to the procedures and conditions of application No. 91-340. The application site is located in Sections 1, 2, 12, 13, T47N, R100W and Park County Sections 4, 5, 6, T47N, R99W in the county of Hot Sprints in the State of Wyoming.

This permit renewal shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable standards. The authority to land apply granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the disposal method will meet applicable state requirements.

Nothing in this permit constitutes an endorsement of the disposal method described herein. This permit indicates only that standards required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allow under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the disposal method described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the application site at the above location, for the purpose of compliance with the provisions of this permit.

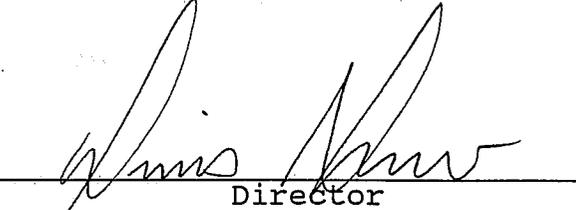
Nothing in this permit shall be construed to preclude the

constitution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringements of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11/5/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

Conditions to Road Application Permit

1. of 4 The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, Jeff Hermansky, 250 Lincoln St., Lander, WY 82520 phone number 332-3144, to arrange a field inspection prior to initiation of work. The district engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
2. of 4 Produced water applied to a road will be mechanically incorporated into the road bed. Produced water will not be applied during freezing weather.
3. of 4 The slope of the application roads shall not exceed 8 percent.
4. of 4 Only the roads designated in this permit are authorized for application. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the Water Quality Division.

JH/jyi

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-372  
SPECIAL CONDITIONS

Seminole Assistant Superintendent Trailer Home

This permit hereby authorizes the applicant:

Wyoming State Parks & Historic Sites  
2301 Central Avenue  
Barrett Building  
Cheyenne, Wyoming 82002-0240

to construct, install or modify a residential septic system according to the procedures and conditions of the application number 92-372. The facility is located in SW/4,NW/4 Section 16 T25N R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

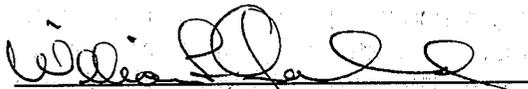
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

**AUTHORIZED BY:**

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

11-23-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

**SPECIAL CONDITIONS**

- 1 of 1. A distribution box must be used at the center of the absorption bed, as shown on the plans, to ensure uniform distribution of the effluent.

RLE/jmm 24351.ltr

cc: Nina Adams, Carbon County Planning & Development

PERMIT TO CONSTRUCT

New

Permit No. 92-373R

Renewal

Modified

Black Butte Coal Pit 8, SP-I2 Pond

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Black Butte Coal Co.

P.O. Box 98

Point of Rocks, WY 82942

to construct a runoff pond according to the procedures and conditions of the application No. 92-373R. The facility is located in NW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 8, T18N, R100W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

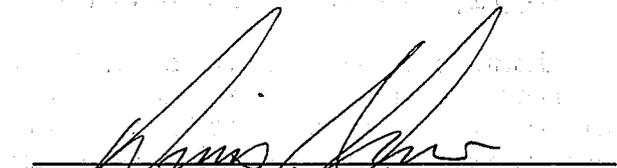
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2-17-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

**PERMIT TO CONSTRUCT**

New

Permit No. 92-374RRR

Renewal

\*CONDITIONED\*

Modified

**ST-9 Storage Pond**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct a storage pond facility according to the procedures and conditions of the application No. 92-374RRR. The facility is located in NE SE 1/4 Sections of Section 7 T 18N, R 100W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access

to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

*for* Laurence Robinson  
Administrator  
Water Quality Division

Chris New  
Director  
Department of Environmental Quality

6/15/93  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

PERMIT CONDITIONS 1 through 3

- 1 of 3 This pond is permitted only for water containing natural sediments and coal dust. The introduction of any other industrial process contaminants is to be reported immediately to the DEQ, Southwest District office in Lander.
- 2 of 3 Monitoring of ground water, or of the pond water may be required in the future.
- 3 of 3 The pond is to be constructed to prevent runoff waters from the surrounding terrain from entering the pond, and with particular attention given to preventing runoff from entering through the spillway.

**PERMIT TO CONSTRUCT**

New

Permit No. 92-375RRR

Renewal

\*CONDITIONED\*

Modified

**ST-8 Storage Pond**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Black Butte Coal Company

P.O. Box 98

Point of Rocks, WY 82942

to construct a storage pond facility according to the procedures and conditions of the application No. 92-375RRR. The facility is located in NE SE 1/4 Sections of Section 7 T 18N, R 100W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access

to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

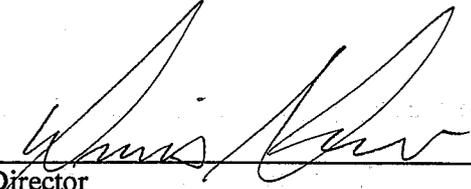
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
for Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

6/15/93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### PERMIT CONDITIONS 1 and 2

- 1 of 2 This pond is permitted only for water containing natural sediments and coal dust. The introduction of any other industrial process contaminants is to be reported immediately to the DEQ, Southwest District office in Lander.
- 2 of 2 Monitoring of groundwater, or of the pond water may be required in the future.

RT/nc 32896.LTR

LAND APPLICATION PERMIT

[ ] New  
[X] Renewal  
[ ] Modified

PERMIT NO. 92-376  
(Reference 92-110)  
SEE SPECIAL CONDITIONS

FOUR HORSE ROAD APPLICATION  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Stewart Petroleum Corporation  
14 Inverness Dr. East-H-240  
Englewood, CO 80112

to land apply produced water according to the procedures and conditions of the application No. 92-376. The application site is located in Sections 3, 5, 9, 10, T47N, R68W in the County of Weston in the State of Wyoming. This permit shall be effective until November 30, 1992.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-9-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:11/02/92

LAND APPLICATION SPECIAL CONDITIONS

1 of 4. The produced water shall be applied uniformly to the respective road sections contained within the application package.

Land Application Special Conditions, (Continued)

The application of produced water until November 30 shall be allowed on a one time basis providing saturated and/or frozen soil conditions do not exist.

2 of 4. The application site slope shall not exceed eight percent (8%) for vehicular application.

3 of 4. The application of produced water shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4 of 4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much material will be applied, the specific site of application (to the nearest 1/4 section) and time of application.



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

May 17, 1993

CERTIFIED

Mr. Craig Thompson  
Joint Powers Water Board  
P.O. Box 158  
50 East 2nd North  
Green River, WY 82935

*Note: Resubmitted package  
was received on March  
30, 1993 and assigned  
number 93-085.  
Executed copies of  
permit application were  
received on May 17, 1993.  
L.R.R.*

RE: Permit Application No. 92-377. Rock Springs Pipeline Phase III Water Treatment Plant  
Clearwell and Two Pump Stations.

Dear Mr. Thompson:

The Water Quality Division received your re-submittal of the above referenced permit application on March 30, 1993, and has conducted a technical review of the application. **You are herewith notified that your application for a permit to construct the desired improvements to the existing water treatment plant and associated works is denied.** The application has been denied because the design does not meet the minimum design and construction standards as specified in Sections 8, 12, and 13, Chapter XII, Wyoming Water Quality Rules and Regulations. Specifically your application does not meet the following provisions:

" Section 8 (b) (i). Location. Treatment facilities shall be located such that no sources of pollution may affect the quality of the water supply or treatment system. The facilities shall not be located within 500 feet of landfills, garbage dumps, or wastewater treatment systems."

There is a wastewater treatment facility currently being operated in the vicinity of the proposed construction. The test pit excavation logs indicate the presence of old bricks, cinders, wood, etc. indicating the probable presence of an old dump. Bore hole #2 also showed the presence of RCRA hazardous wastes, specifically arsenic, acetone, naphthalene, and fluorine. The conclusions presented in the report prepared by USPCI erroneously states the sample results did not indicate the presence of RCRA hazardous wastes. All of these sites appear to be within 500 feet of the proposed construction activities. The hazardous waste site is immediately adjacent to the existing clarifier.

" Section 12 (d). Wetwells. Finished water wetwells....shall be located above the groundwater table (seasonal high) and the top of the walls from the wetwell shall be at least 18 inches above finished grade."

Your application does not appear to satisfy this requirement.

Mr. Thompson  
May 17, 1993  
Page 2

" Section 13 (a) (ii) Location of ground level reservoirs.

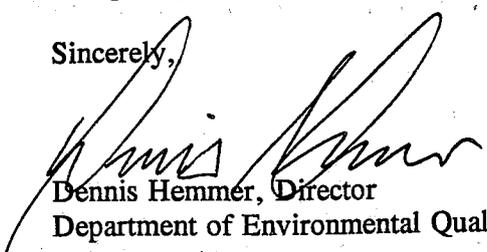
(B) When the bottom is below normal ground surface, it shall be placed above the groundwater table. Sewers, drains, standing water, and **similar sources of possible contamination must be kept at least 50 feet from the reservoir.**

The division review of the USPCI report concludes that the entire treatment plant site is contaminated by hazardous substances specifically diesel fuel and gasoline with the exception of a portion of the southwest corner. The proposed construction cannot possibly comply with these requirements.

As a practical, instead of a legal matter, to invest large amounts of public funds on a site knowingly contaminated by RCRA hazardous wastes certainly doesn't seem to be in the public's best interest. This site is going to have to be remediated in the future, and will take years to complete. How the cleanup activities will affect the treatment facilities is unknown. Additionally, a complete site assessment will be required for the entire treatment plant location and the adjacent property. Extensive onsite work will be required including drilling activities in and around the existing facilities. Caution will need to be taken to protect the integrity of the existing system during these onsite investigative activities.

**In accordance with the provisions of WS 35-11-802, you have the right to appeal the denial of your application for a construction permit to construct the above referenced facilities.** A request for a hearing shall be made within sixty (60) days of receipt of notification of the denial. If a hearing is requested, the hearing petition shall be mailed to the Chairman of the Environmental Quality Council, Room 308, Barrett Building, Cheyenne, Wyoming 82002. A copy of the petition shall also be sent to Dennis Hemmer, Director, Department of Environmental Quality, Herschler Building, 4th Floor, 122 West 25th Street, Cheyenne, Wyoming 82002. The petitions shall be sent by registered mail, return receipt requested.

Sincerely,



Dennis Hemmer, Director  
Department of Environmental Quality

DH/WLG/bb/32388.LTR

CC: William L. Garland, WQD  
Mike Besson, WWDC  
John Zebre, Attorney  
✓ Larry Robinson, WQD  
Nat Miullo, RCRA, USEPA



MIKE SULLIVAN  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

November 4, 1992

CERTIFIED

Ben Bracken  
Joint Powers Board  
P.O. Box 158  
50 East 2nd North  
Green River, Wyoming 82935

Re: Permit Application No. 92-377. Rock Springs Pipeline Phase III Water Treatment Plant Clearwell and Two Pump Stations.

Dear Mr. Bracken:

In accordance with Section 12, Chapter III, Wyoming Water Quality Rules and Regulations you are hereby notified that the above subject permit application is denied. The application is denied because it does not meet applicable minimum design and construction standards as specified in Sections 8, 12 and 13, Chapter XII, Wyoming Water Quality Rules and Regulations.

The regulations specifically prohibit the location of water treatment facilities where a source of pollution may affect the quality of the water supply or treatment system. Information submitted as part of the application package indicates the presence of hydrocarbons on the groundwater at the treatment plant site. Hydrocarbon recovery operations are currently under way at the Union Pacific Rail yard which is located adjacent to the treatment plant. The elevation of the groundwater is near the bottom of the proposed clearwell. This is a violation of the regulations for pumping facilities and finished water storage reservoirs.

In accordance with Section 12 (c), Chapter III, Wyoming Water Quality Rules and Regulations, you may, if you wish, request a hearing before the Environmental Quality Council to appeal this denial. A request for a hearing shall be made within 60 days of receipt of notification of the denial. If a hearing is requested, the hearing petition shall be mailed to the Chairman of the Environmental Quality Council, Room 308, Barrett Building, Cheyenne, Wyoming 82002. A copy of the petition shall also be sent to Dennis Hemmer, Director, Department of Environmental Quality, Herschler Building, 4th Floor, 122 West 25th Street, Cheyenne, Wyoming 82002. The petitions shall be sent by registered mail, return receipt requested.

Sincerely,

  
William L. Garland  
Administrator

LR/WLG/mad 24132.LTR

LAND APPLICATION PERMIT

[ ] New  
[X] Renewal  
[ ] Modified

PERMIT NO. 92-378

SEE SPECIAL CONDITIONS

LANCE CREEK ROAD APPLICATION  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Marathon Oil Company  
P.O. Box 2690  
Cody, WY 82414-2690

to land apply waste crude oil and sludges according to the procedures and conditions of the application No. 92-378. The application site is located in Sections 5 and 6, T35N, R65W in the County of Niobrara in the State of Wyoming. This permit shall be effective until November 20, 1992.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

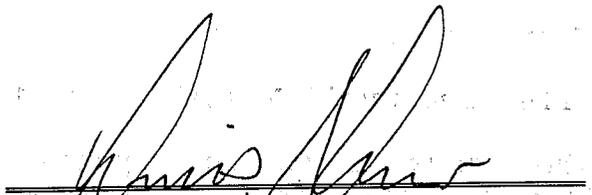
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-9-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:11/04/92

LAND APPLICATION SPECIAL CONDITIONS

1 of 5. Waste crude oil and sludges shall be applied uniformly and incorporated into the roadbed. Application shall not be initiated during periods where saturated or frozen soil conditions exist.

Land Application Special Conditions, (Continued)

2 of 5. The application site slope shall not exceed eight percent (8%) for vehicular application.

3 of 5. Crude oil stained soils application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4 of 5. This permit is only valid until November 20, 1992. Any waste crude oil and sludge application after November 20, 1992 will require a new permit.

5 of 5. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much waste oil will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.

**From:** PATRICIA ROBINSON (PROBINSO)  
**To:** PBURNS  
**Date:** Thursday, November 5, 1992 9:04 am  
**Subject:** PERMIT 92-378

I AM SENDING PERMIT 92-378 FOR AUTHORIZATION. THIS PERMIT WAS ENGINEER APPROVED BY DRM ON 11/04/92. PLEASE FAX ME A COPY OF THE SIGNED PERMIT. THANKS.

**Files:** C:\WP51\PERMITS\92-378

*Done 11-9-92*

*B.*

PERMIT TO CONSTRUCT

New

PERMIT NO. 92-379

Renewal

Modified

RANCH A SEPTIC SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

U.S. Fish and Wildlife Service  
P.O. Box 25486, Denver Federal Center  
Denver, CO 80225

to construct, install or modify a wastewater treatment facility according to the procedures and conditions of the application No. 92-379. The facility is located in the NW/4, Section 25, Township 52 North, Range 61 West, in the County of Crook in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

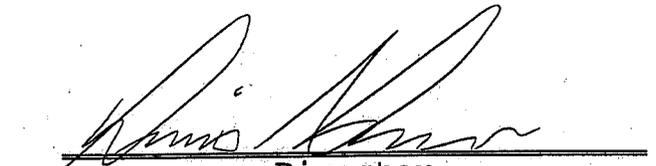
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Supervisor, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

1-20-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:01/15/93

Permit Conditions on following page.

PERMIT CONDITIONS

- 1 of 2      Once the construction is complete, an as-built drawing(s) shall be submitted to the DEQ/WQD Sheridan District Office.
  
- 2 of 2      An abandonment report for the existing package waste treatment plant, sewer lines, and pump station equipment shall be provided to the DEQ/WQD Sheridan office upon project completion.

PERMIT TO CONSTRUCT

New

Permit No. 92-380  
SPECIAL CONDITIONS

Renewal

Modified

Containment Pond Reservoir

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Solvay Joint Soda Ash Venture

P.O. Box 1167

Green River, WY 82935

to install a grout curtain around the perimeter of the Containment Pond to stop seepage according to the procedures and conditions of the application No. 92-380. The facility is located in NW 1/4 NE 1/4 Section 31, T18N, R109W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

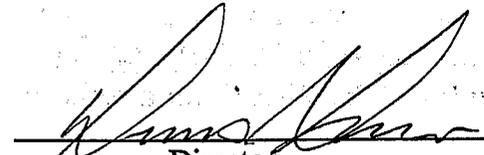
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2/19/93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

### SPECIAL CONDITIONS

- 1 OF 3. Solvay Minerals shall continue to monitor ground water levels on a monthly basis and for quality on a quarterly basis according to the accepted Monitoring program. This schedule shall continue until it is determined that the grouting has indeed controlled seepage from the containment reservoir. This information should be reported to Department of Environmental Quality in the Annual Report for Permit to Mine #495.

- 2 OF 3. A minimum of four (4) cores shall be taken, one along each side of the containment reservoir, to gage the effectiveness of grouting operations. A report of findings shall be submitted in the Annual Report.
- 3 OF 3. Any unusual conditions should be immediately reported to the DEQ/WQD Lander office.

DG/bb



JIM GERINGER  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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February 9, 1995.

Mr. Donald Connell  
Fremont County Solid Waste Disposal District  
P. O. Box 1400  
Lander, WY 82520

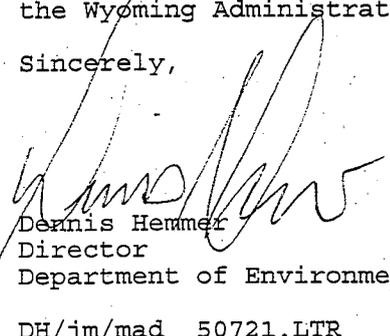
RE: As-Built Permit to Construct, WQD Reference Number 92-381R

Dear Mr. Connell:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your engineer, Inberg-Miller Engineers. Our review indicates that the application appears to meet DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued.

Please be advised that the system must have been constructed, installed and be operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to a permit issued by the DEQ and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the Rules of Practice and Procedure for the Department of Environmental Quality and the Wyoming Administrative Procedures Act.

Sincerely,

  
Dennis Hemmer  
Director  
Department of Environmental Quality

DH/jm/mad 50721.LTR  
Enclosure

xc: Amy Boyle, DEQ/SHWD, Lander  
Plans (2), File (2)

AS-BUILT  
PERMIT TO CONSTRUCT

[X]

Permit No. 92-381R  
CONDITIONS

[]

[]

Lander Landfill Discharge Holding Tanks

This permit hereby authorizes the applicant:

Fremont County Solid Waste Disposal District

P. O. Box 1400

Lander, WY 82520

to have installed two (2) holding tanks for the collection of seepage according to the procedures and conditions of the application No. 92-381R. The facility is located in NE 1/4 SE 1/4 Section 9, T33N, R99W in the County of Fremont, in the State of Wyoming.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

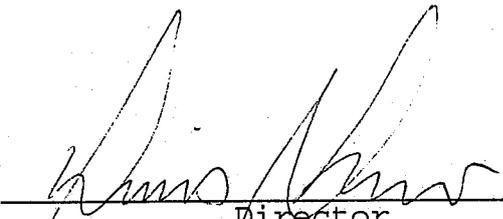
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2/15/95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

STANDARD CONDITIONS 1 through 3

1. of 3 The applicant will provide immediate oral and/or written notice to Water Quality Division, 250 Lincoln, Lander, WY 82520, (307) 332-3144, in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. of 3 The visual alarm system installed in the upper tank shall be monitored daily. This tank and any carryover to the second tank must be pumped within 24 hours of the alarm indicating full.
3. of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

STATEMENT OF BASIS

I. General information.

A. Permit Number: 92-381R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. YES

B. Chapter XII. NO

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

YES

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

YES

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

NO

IV. Facilities not specifically covered by regulations.

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter XI, Part D, Section 43, Holding Tanks, requires "an audible alarm or an indoor illuminated alarm".

B. Briefly state the basis for the deviation.

There is no power to the tank site so the required alarm type not possible. Daily monitoring of the approved visual alarm will provide sufficient protection when coupled with the second tank providing backup capacity.

Statement of Basis  
92-381R  
February 10, 1995

C. Permit based on general or statewide deviation contained in approved policy statement.

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

NO

XC: Amy Boyle, DEQ/SHWD, Lander



THE STATE OF WYOMING

JIM GERINGER

GOVERNOR



# Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES  
(307) 332-5085

AIR QUALITY  
(307) 332-6755

LAND QUALITY  
(307) 332-3047

SOLID & HAZARDOUS WASTE  
(307) 332-6924

WATER QUALITY  
(307) 332-3144

CERTIFIED: Z 682 777 625

February 1, 1995

Mike Morgan, Chairman  
Fremont County Solid Waste Disposal District  
P.O. Box 1400  
Lander, WY 82520

Dear Mike:

Our records indicate your application for a Permit to Construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility Name: Lander Landfill Discharge Holding Tanks

DEQ/WQD Reference Number: 92-381

Engineering Consultant: Inberg-Miller Engineers

DEQ/WQD Review Engineer: Jeff Hermansky, P.E.

Date of DEQ/WQD Review: April 4, 1994

According to Chapter III of the Water Quality Rules and Regulations, Section 7(b)(2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

The Department of Environmental Quality, Water Quality Division (DEQ/WQD) is still waiting for a response to the review letter issued April 4, 1994, for the as-built holding tanks.

You are reminded that the construction, installation, or modification of any sewage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to

Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division review engineer receives a response to the enclosed review letter within 30 days of receipt of this letter, follow-up action will be taken.

Sincerely,



Jeff Hermansky, P.E.  
Northwest District Supervisor

JH/jyi

xc: Thomas Axthelm, Inberg-Miller Engineers, w/encl  
Vickie Vance, DEQ/SHWD, Lander  
IPS, DEQ/WQD, Cheyenne  
WQD File 92-381

**PERMIT TO CONSTRUCT**  
**\*CONDITIONS\***

[X] New  
[] Renewal  
[] Modified

Permit No. 92-382

**Tg Soda Ash, Inc. - Tailings Reservoir**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Tg Soda Ash, Inc.

P. O. Box 100

Granger, WY 82934

to construct a raise of the north and south dikes of Tailings Pond No. 3 to elevation 6526 feet (Phase 1D) according to the procedures and conditions of the application No. 92-382 (design specifications included in Permit to Construct No. 87-045R). The facility is located in Sections 6 and 8, T.20N., R.110W, in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

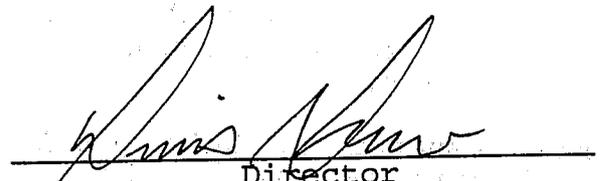
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

3-24-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DG:mam

**\*CONDITIONS 1 THROUGH 2\***

- 1 of 2. Provide an advance schedule of construction activities to the Lander DEQ/WQD office to allow for scheduling of construction inspection(s) by the DEQ.
- 2 of 2. Submit copies of test results for gradations, moisture contents, and densities to the Lander DEQ/WQD office on a weekly basis during the embankment construction period.

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-383  
**\*CONDITIONED\***

Unocal Puregro Facility Monitoring Wells  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Unocal Corporation

P.O. Box 237

Nederland, TX 77627-0237

to construct four (4) groundwater monitoring wells according to the procedures and conditions of the application No. 92-383. The facility is located in SW $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 14, T.55N., R.99W. in the County of Park, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the ~~design of~~ the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State

assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

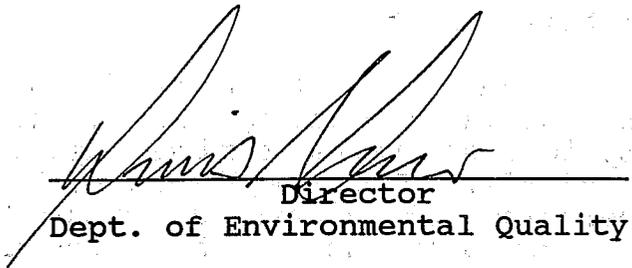
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

12/7/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DN:mam

Conditions for Monitoring Wells on Pages 3 and 4

Conditions for Monitoring Wells

1. of 8 The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-383. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 8 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. of 8 After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. of 8 A waterproof protective casing and locking cap is required on all monitoring wells. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered on the outside of the protective casing and on the inside of the well cap.
5. of 8 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. of 8 In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
  - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;

- b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
  - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
  - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
  - e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
  - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
  - g. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected. If contaminants are present or expected to be present, development water should be disposed of in accordance with all state and federal regulation;
  - h. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
7. of 8 Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
8. of 8 The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

cc: Jake Strohmman

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 92-384RR  
\* CONDITIONED \*

**BTI Kemmerer Evaporation Pond**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Bonneville Transloaders, Inc.

640 South Federal Blvd.

Riverton, WY 82501

to construct an evaporation pond to dispose of wastewater from washing highway type, bulk material from trucks according to the procedures and conditions of the application No. 92-384RR. The facility is located in Section SW27, T21N, R116W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the

performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

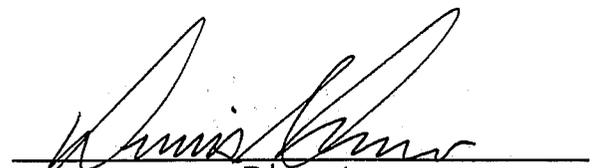
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division

  
Director  
Dept. of Environmental Quality

4/16/93  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

\* CONDITIONS 1 THROUGH 3 \*

- 1 of 3 The pond use is to evaporate water from truck washing.
- 2 of 3 The planned mud and grease trap shall be regularly maintained.
- 3 of 3 Provide written certification that the soil liner was constructed in accordance with the submitted design.

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-385

Alpine Waterline  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Town of Alpine

P.O. Box 239

Alpine, WY 83128

to construct a 6" x 230' PVC waterline and fire hydrant according to the procedures and conditions of the application No. 92-385. The facility is located in SE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 29, T37N, R118W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

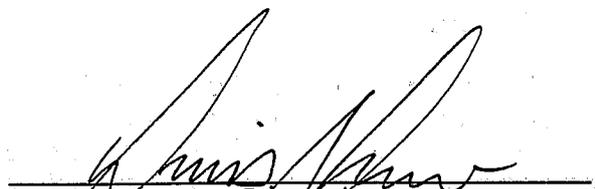
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-23-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

PERMIT TO CONSTRUCT

X    New  
      Renewal  
      Modified

PERMIT NO. 92-386

Hansen Addition Water and Sewer Improvements

This permit hereby authorizes the applicant:

David L. Hansen  
3213 Dell Range  
Cheyenne, Wyoming 82001

to construct, install or modify water distribution and sewer collection improvements according to the procedures and conditions of the application number 92-386. The facility is located in NW 1/4 Section 27 T14N R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

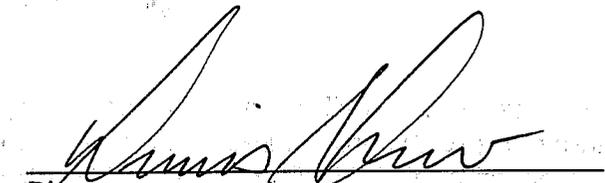
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

1-4-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RLE:jmm 24749.ltr

cc: Cheyenne Board of Public Utilities

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-387

DAYTON SEWER EXTENSION  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Town of Dayton  
P.O. Box 100  
Dayton, WY 82836

to construct, install or modify an 8-inch sewer main according to the procedures and conditions of the application No. 92-387. The facility is located in NE/4, Section 32, Township 57 North, Range 86 West, in the County of Sheridan in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-25-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:11/19/92

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 92-388

Frontier Park - Sewer Line Relocation

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities  
2406 Snyder  
Cheyenne, Wyoming 82001

to construct, install or modify a sewer line relocation according to the procedures and conditions of the application number 92-388. The facility is located in SW 1/4 Section 02 T13N R60W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

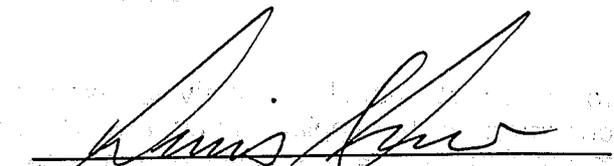
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

1-26-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RLE/nc 30305.LTR

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

**PROJECT:** Frontier Park Water and Sewer Line Extension

**ENGINEER:** Peter J. Hutchison  
Intermountain Professional Services, Inc.  
1816 Central Ave.  
Cheyenne, Wyoming 82001

**APPLICANT:** Cheyenne Board of Public Utilities  
2406 Snyder  
Cheyenne, Wyoming 82001

**WATER QUALITY REFERENCE NUMBER:** 92-388

**REVIEWING ENGINEER:** Ronald L. Ewald

**DATE OF REVIEW:** December 24, 1992

**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION

**COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:**

- 1 of 5. Three(3) copies of the application and plans must be submitted. Only one set was received.
- 2 of 5. The application is for water and sewer line extensions, yet the plans only show the sewer changes. Where are the water line extensions located?
- 3 of 5. Details, such as cross-sections, of the excavations are not shown or described in the plans.
- 4 of 5. Details of the manhole design and construction are not provided.
- 5 of 5. An engineering design report which would discuss and/or describe the pertinent aspects of this project is not included with the application. Questions this report should answer include:
  - a. A description of the sewer line being replaced,



- including size, slope, and pipe type.
- b. An indication of whether or not any water mains are located in the area of the new sewer line, and if so;
  - c. The locations, depths, and crossings should be detailed.
  - d. No indication is made in the plans if any set of standard specifications is to be used to construct this sewer line. If so, these standard specifications should be identified.

RLE:jmm 24752.ltr

LAND APPLICATION PERMIT

[ ] New  
[X] Renewal  
[ ] Modified

PERMIT NO. 92-389

SEE SPECIAL CONDITIONS

ROCKY BUTTE ROAD APPLICATION

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

McClure Enterprises, Inc.  
12.80 Olmstead Road  
Recluse, WY 82725

to land apply produced water according to the procedures and conditions of the application No. 92-389. The application site is located in Sections 19 and 20, T57N, R71W; and Sections 13, 14, 24, T57N, R72W, in the County of Campbell in the State of Wyoming.

This permit shall be effective until November 30, 1992.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising

from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-23-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:11/13/92

LAND APPLICATION SPECIAL CONDITIONS

1 of 4. The produced water shall be applied uniformly to the respective road sections contained within the application package.

Land Application Special Conditions, (Continued)

The application of produced water until November 30 shall be allowed on a one time basis providing saturated and/or frozen soil conditions do not exist.

2 of 4. The application site slope shall not exceed eight percent (8%) for vehicular application.

3 of 4. The application of produced water shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4 of 4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Office, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801, telephone number 307/672-6457, to arrange a field inspection prior to initiation of work. The District Office should be notified at least 48 hours in advance of discharges and must be informed how much material will be applied, the specific site of application (to the nearest 1/4 section) and time of application.

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 92-390  
\* CONDITIONED \*

**Macy's Truck Repair - Tract Sewer Lines**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Macy's Truck Repair, Inc.

515 Mitchelson Street

Rock Springs, WY 82901

to construct a 12 " and 6" waterlines, and 12" and 6" sewerlines according to the procedures and conditions of the application No. 92-390. The facility is located in Rock Springs in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is

solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

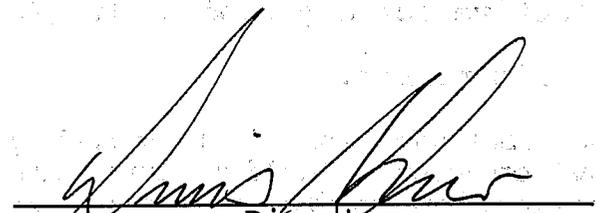
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

12-17-92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

\* CONDITION \*

This permit is for the construction of conventional domestic and municipal sewer pipelines. Connection of these pipelines to a facility that discharges commercial and industrial waste shall require an additional permit application.

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

PERMIT NO. 92-391

BUSH RANCH WASTEWATER STABILIZATION POND  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

F.A. Bush Ranch, Inc.  
1823 Little Missouri Road  
Hulett, WY 82720

to construct, install or modify a wastewater stabilization pond according to the procedures and conditions of the application No. 92-391. The facility is located in SE/4, Section 3, Township 56 North, Range 66 West, in the County of Crook in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

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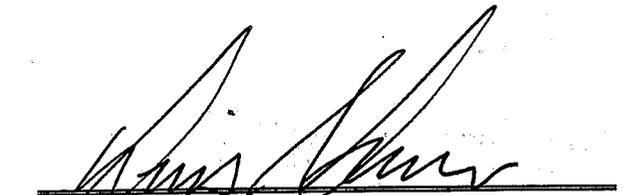
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

11-25-92

\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM/pr:11/19/92

## MEMORANDUM

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**TO:** UST Notification Files: Facility ID #1680, #1681, & #1682  
"Permit to Construct" Files: Permit No's. 89-145 & 92-392R

**FROM:** Clay Rowley, Southeast Dist. Supervisor, AUST/LAUST Program

**DATE:** January 27, 1995

**SUBJECT:** End to Monitoring & Transfer of Groundwater Monitoring Well Permits

---

January 26, 1995

Mr. Jesse Brungardt of Public Service Company of Colorado (Phone: (303) 620-1341, or pager (303) 556-1990) called on January 25, 1995 to ask if Cheyenne Fuel, Light, and Power Company can cease to monitor the groundwater monitoring wells at Corlett Substation (UST #1682 - Permit to Construct No. 89-145) and at the Cheyenne Service Center (UST #1680 - Permit to Construct No. 92-392R). All three of these underground storage tank (UST) facilities are listed on the Wyoming LUST contaminated site list.

The request prompted a look at the UST files for Corlett Substation, Cheyenne Service Center, and Snyder Substation (UST #1681). Both Permit to Construct permits are for two year terms with a five year maximum option. In both cases more than two years have passed and neither party (PSC of Colorado or the WQD) has requested an extension beyond two years. PSC of Colorado can cease monitoring the wells associated with the two Permit to Construct permits. The remaining condition that has not been completed at either facility is for the wells to be plugged and abandoned. One non-permitted groundwater monitoring well exists at the Snyder Substation. It is approximately one-inch (ID) in diameter and has always been dry.

The Water Quality Division (WQD), AUST/LAUST Program is presently considering accepting a transfer of the permits for the wells at Corlett Substation and the Cheyenne Service Center. The well at Snyder Substation was not permitted and has always been dry; it appears to be of little to no value to the AUST/LAUST Program. A WQD subsurface investigation (SSI) was made at this facility during 1994 and three wells remain in place from that investigation. The Snyder well can be plugged and abandoned by PSC of Colorado.

Mr. Brungardt stated on the telephone on January 26, 1995, that free product has appeared in the two wells at Corlett Substation in the last few years. PSC of Colorado has recovered free product from the wells, and has groundwater monitoring information available for the time period since the Permit to Construct term period ended. He also stated that information is available about the Snyder Substation monitoring well. PSC of Colorado has agreed to provide copies of the information involving both facilities.

AUST/LAUST Program personnel are planning to visit the facilities or otherwise investigate the acceptability of the wells at Corlett Substation and the Cheyenne Service Center before proceeding with transfer of the permits. Wells found unacceptable will be plugged and abandoned by PSC of Colorado. Mr. Brungardt is willing to accompany a AUST/LAUST representative when the investigation is made.

The AUST/LAUST Program will visit the Wyoming State Engineer's office to determine if the wells are registered and how a transfer can be made through that office.

January 27, 1995

The contractor/consultant for the Southwest Cheyenne Subsurface Investigation was contacted regarding the condition of the eleven (11) groundwater monitoring wells installed by PSC of Colorado at the Cheyenne Service Center. All eleven of the wells were in good condition in the fall of 1994.

The Wyoming State Engineer's office has two monitoring well permits on file (U.W. 80878 [Book 589, Page 79] and U.W. 80879 [Book 589, Page 80]) for the two wells at Corlett Substation. There are no permits of record for the eleven (11) monitoring wells installed at the Cheyenne Service Center. Condition 8 of 14 in WQD Permit No. 92-392R was not fulfilled.

The WQD will require permitting of the eleven (11) wells the Cheyenne Service Center before accepting transfer of the wells. Transfer of monitoring well permits from PSC of Colorado to the Wyoming DEQ, Water Quality Division, requires completion of two forms. The form with the heading *Permit Transfer Request* is to transfer the Water Quality Division permit to the WQD. The form with the heading *Assignment of Permit for Wells* is to transfer the Wyoming State Engineer's office permit to the WQD. Abandonment of wells not accepted must be accomplished according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Division Rules and Regulations. A form entitled *Notice of Abandonment* is used to notify both (two copies, one to each office) the State Engineer's office and the WQD of wells that are plugged and abandoned.

RF

92-392



THE STATE OF WYOMING

MIKE SULLIVAN  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756 FAX (307) 634-0799	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781 FAX (307) 777-5973
----------------------------------	--	---	--	--

March 4, 1993

**CERTIFIED**

Mr. Mark Read  
Cheyenne Light, Fuel & Power Company  
1301 West 24th Street  
P. O. Box 1409  
Cheyenne, WY 82003

RE: Letter of Violation: Failure to notify Wyoming DEQ authorized representative that construction commenced and failure to provide an estimate of completion time of the project, Permit to Construct No. 92-392R

Dear Mr. Read:

On February 25, 1993, the Wyoming Department of Environmental Quality (DEQ), Water Quality Division (WQD), received a permit application, dated February 24, 1993, for construction of four additional second generation monitoring wells in accordance with Special Condition 1 of Permit No. 92-392R. Drawing No. 3 of the February 24, 1993, permit application is a map that shows the locations of the four monitoring wells that have been installed as originally authorized by Permit No. 92-392R. This map is the first notification received by the DEQ/WQD indicating that construction of the wells has commenced. Drawing No. 3 shows that installation of the four monitoring wells (MW-4, MW-5, MW-6, and MW-7) has been completed.

Permit to Construct No. 92-392R states:

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SE District Supervisor, UST/LUST Program, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Mr. Read  
March 4, 1993  
Page 2

The Water Quality Division is attempting to resolve this violation through conference and conciliation. This letter does not constitute an order, but rather identifies steps to be taken by Cheyenne Light, Fuel and Power Company. The intent of this letter is to strongly inform Cheyenne Light, Fuel and Power Company that all conditions of the permit, including notice of the day of commencement of construction and an estimate of when the project will be completed, must be met.

Conditions 10, 12, and 14 of the permit's Special Conditions have not been met for the original four monitoring wells. The DEQ/WQD is hereby permitting the provisions in Conditions 10, 12, and 14 to be relaxed for the original four monitoring wells provided those conditions are explicitly followed and completed within 60 days after the DEQ/WQD has received notification of commencement of the second generation of four monitoring wells. Requirements of the three conditions for the original four monitoring wells and for the proposed four monitoring wells are to be combined to provide a single report to the DEQ/WQD.

This letter grants approval for installation of four second generation monitoring wells described in the "Permit to Construct" application dated February 24, 1993. The additional wells must meet the requirements of the application and Permit No. 92-392R.

If you have questions, please contact me at the address on the letterhead or at telephone number (307) 777-5877.

Sincerely,



Clay Rowley  
SE District Supervisor, UST/LUST Program  
Water Quality Division

CR/bb/30975.ltr

cc: Brian Woody, ATEC Associates, Inc. Arvada, CO  
Groundwater Section Supervisor, Cheyenne  
File, WQD Permit Reference #92-392R



THE STATE OF WYOMING

MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

Herschler Building ● 122 West 25th Street ● Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

September 20, 1993

Mr. Jesse C. Brungardt  
Senior Environmental Analyst  
Public Service Company of Colorado  
P. O. Box 840  
Denver, Colorado 80201-0840

RE: ▶ Cheyenne Light, Fuel & Power Co., Cheyenne Service Center, 1301 West 24th Street, Cheyenne, Wyoming (UST Facility ID #1680)  
▶ Groundwater Monitoring Well Permit No. 92-392R (December 23, 1992)

Dear Mr. Brungardt:

Your letter dated August 25, 1993 was received on September 17, 1993. Thank you for enclosing a photocopy of a May 12, 1993 manifest to serve as verification that borehole cuttings and well development water were disposed of in a proper manner.

Your offers to survey the wells for location to the nearest 0.1 foot at such time as a survey team is on site, and to survey the wells according to the Wyoming State coordinate system if the facility ownership is scheduled to change are appreciated. The Water Quality Division (WQD) has experienced problems with proper abandonment of groundwater monitoring wells. An accurate reproducible survey of the wells will permit finding them for abandonment if they are not readily visible.

The remaining ongoing unfulfilled conditions of Permit No. 92-392-R are:

1. **Condition #7.** Maintenance of well locks on the well casings.
2. **Condition #12.** Submittal of photocopies of laboratory reports for analysis of samples collected during the life (one year according to your August 25, 1993 letter) of the wells. Please notice the analysis parameters and reporting conditions.

Mr. Brungardt  
September 20, 1993  
Page 2

3. **Condition #6.** Abandonment of the monitoring wells according to the procedures of Chapter XI, Part G, Section 70, of the Wyoming Water Quality Rules and Regulations after the wells have fulfilled their useful purpose.

If you have questions or comments please call me at (307) 777-5877.

Sincerely,



Clay Rowley  
SE District Supervisor, UST/LUST Program  
Water Quality Division

CR/bb/34378.ltr

cc: Harry E. Moseley, Public Service of Colorado, Denver  
Mark Read, Cheyenne Light, Fuel & Power, Cheyenne  
Notification file, UST Facility ID #1680  
File, Permit No. 92-932R  
Roland Peterson, Environmental Senior Analyst, WQD, UST/LUST  
Program

PERMIT TO CONSTRUCT

X New  
Renewal  
Modified

PERMIT NO. 92-392R  
SPECIAL CONDITIONS

CHEYENNE LIGHT, FUEL, AND POWER COMPANY MONITORING WELLS

This permit hereby authorizes the applicant:

CHEYENNE LIGHT, FUEL AND POWER COMPANY  
1301 WEST 24TH STREET  
P O BOX 1409  
CHEYENNE, WY 82003

to construct, install or modify four (4) groundwater monitoring wells according to the procedures and conditions of the application number 92-392R. The facility is located in SE ¼, SE ¼, Section 36, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion

of the project. The authorized representative in your area can be contacted at the following address: SE District Supervisor UST/LUST Program, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

12/23/92  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL CONDITIONS

- 1 of 14. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 92-392R. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
- 2 of 14. Monitoring well construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Monitoring well casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells must be constructed from materials free of material having the potential to contaminate groundwater samples.
- 3 of 14. All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.
- 4 of 14. Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.

PERMIT NO. 92-392R

- 5 of 14. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
- 6 of 14. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with city and/or Highway Department requirements. No monitoring well shall be abandoned without prior approval from the Water Quality Division.
- 7 of 14. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 8 of 14. The applicant is responsible for obtaining any permits required by the State Engineers Office (307-777-7354).
- 9 of 14. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed, and developed:
- a. The borehole diameter shall be at least 4 inches larger in diameter than the casing diameter;
  - b. The screened interval shall extend at least 2 feet above the highest expected seasonal groundwater level and at least 5 feet below the lowest expected groundwater level. Factory screen or slotted casing is recommended for the perforated interval;
  - c. When PVC casing is used, the casing shall be installed using threaded joints, couplings, or mechanical connectors without the use of solvents or glues to hold the casing sections together;
  - d. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval. The filter pack shall extend to 1 foot above the screened interval;
  - e. A 2 foot thickness of bentonite or bentonite grout is required from the top of the filter pack to 1 foot below surface to serve as an annular seal. After the bentonite has been placed in the annular space, it shall be hydrated to insure a proper seal. The annular space above the bentonite

seal to within 1 foot of the surface will be sealed with Portland cement or a sand-cement grout. A protective casing shall be cemented into place when the upper foot of the annular space is completed with cement forming a concrete apron sloping away from the well;

- f. Filter pack, annular seal, and surface seal material shall be entered into the well in a manner such that no voids or bridging occur;
- g. A top and bottom cap of the same material as the well casing shall be installed to prevent sediment and surface water from entering the well;
- h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
- i. All monitor wells shall be designed to contain a minimum of 3 feet of water at all times of the year.

10 of 14.

Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:

- a. A site map showing physical features, well locations, and mean sea level elevations of the top of casing/measuring point;
- b. The permittee shall provide the exact latitude and longitude for each of the monitor wells being constructed under this permit. These figures shall be accurate to the nearest 1 second of latitude and longitude. Alternatively, the Wyoming State coordinate system may be used provided horizontal accuracy is to the nearest 0.10 foot.
- c. Final location, construction details, and lithologic logs of monitor wells;
- d. Water level and product thickness measurements;
- e. Sampling analytical results; and
- f. A potentiometric surface map showing the direction of groundwater movement.

11 of 14.

Proper well evacuation shall include removal of a minimum of 3 casing volumes prior to sampling or pumping the well dry once, whichever occurs first. Sample collection, preservation, transportation, and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.

12 of 14.

Photocopies of laboratory reports for analysis of soil and groundwater samples collected during the life of the wells must be submitted to the Water Quality Division within 30 days of issuance of the laboratory report. As a minimum,

PERMIT NO. 92-392R

analysis must be for total petroleum hydrocarbons (TPH), and for benzene, toluene, ethylbenzene, and xylenes (BTEX). The photocopies need to have an accompanying description to indicate the sample locations, sample date, depth to the static water table, and depth of sample. Other pertinent data (such as a monitoring well location map showing the groundwater flow direction) necessary to provide meaning to the laboratory reports should be included with the laboratory reports.

- 13 of 14. Water which is collected during monitoring well development or sampling must be disposed of properly. The applicant must contact the City for authorization to dispose into the local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.
- 14 of 14. Reports required by the permit issued should be addressed to the SE District Supervisor, UST/LUST Program, Wyoming Department of Environmental Quality, Water Quality Division, Herschler Building - 4 West, Cheyenne, Wyoming 82002.

cc: Groundwater Section Supervisor, Cheyenne  
File, WQD Permit Reference #92-392R

CR/bb/nc/24692.ltr

**PERMIT TRANSFER REQUEST**

Date: March 15, 1995

Water Quality Division  
Wyoming Department of Environmental Quality  
Herschler Building - 4 West  
122 West 25th Street  
Cheyenne, WY 82002

*Permit to Construct*  
*No. 92-392R*

To Whom It May Concern:

*(UST # 1680)*

PUBLIC SERVICE COMPANY OF COLORADO (*Original Owner*) intends to transfer ownership of groundwater monitoring well associated with Permit Number U.W. 83533 to WYOMING

DEPARTMENT OF ENVIRONMENTAL QUALITY (*New Owner*) on March 16, 1995 (*Date*). It is requested that the said permit be transferred to the new owner in accordance with Section 10(c) and (d) of Chapter III, Wyoming Water Quality Division Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

*Mark P. Reed*  
Signature of Original Owner

*Chabon J. Rowley*  
Signature of New Owner

Name Public Service Co. of Colo.

*for the*  
Name Wyoming Dept. of Environmental Quality

Address 1225 17th Street  
Suite 2000  
Denver, Colorado 80202

Address Herschler Building  
122 West 25th Street  
Cheyenne, Wyoming 82002

Telephone 303-294-2801

Telephone 307-777-7781

ASSIGNMENT OF PERMIT FOR WELLS

STATE OF WYOMING )
County of LARAMIE ) SS

I (We) Cheyenne Light Fuel and Power (A wholly owned subsidiary of Public Service Company of Colorado), of the City of Cheyenne, County of Laramie, State of Wyoming, being the owner(s) [if not sole owner, state interest in the permit], of the Groundwater Monitoring well under Permit No. U.W. 83533, as recorded in Book No. 6166 of wells on Page No. 34, in the office of the State Engineer of the State of Wyoming, for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations, the receipt of which is hereby acknowledged, do by these presents hereby transfer and assign all of my (our) right, title and interest of whatsoever nature in and to said permit and all works pertaining thereto to Wyoming Department of Environmental Quality, of the City of Cheyenne, County of Laramie, State of Wyoming, his (their) heirs, successors or assigns, forever.

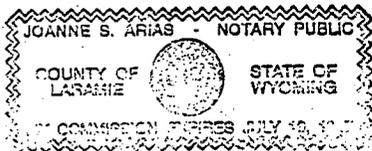
Signed Mark P. Read

Assignee's address: Wyoming Department of Environmental Quality
(new owner) City: Cheyenne
State: Wyoming

UST Facility ID #1680

STATE OF WYOMING )
County of LARAMIE )

On this 16th day of March, 19 95, before me personally appeared Mark P. Read, to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that he (she or they) executed the same as his (her or their) free act and deed.



Joanne S. Arias
NOTARY PUBLIC

My Commission Expires July 19, 19 97.

PERMIT TO CONSTRUCT
No. 92-392R

R7



THE STATE OF WYOMING



MIKE SULLIVAN  
GOVERNOR

# Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

May 7, 1993

Mr. James G. Bensen  
12930 Dusty Lane  
6130 Raderville Rt.  
Casper, WY 82604

Dear Mr Bensen:

Our records indicate your application for permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility Name:	<u>Bensen-Dusty Lane, Res. Septic System</u>
DEQ/WQD Reference Number:	<u>92-393</u>
Engineering Consultant:	<u>NA</u>
DEQ/WQD Reviewing Engineer:	<u>Ron Ewald</u>
Date of DEQ/WQD Review:	<u>December 24, 1992</u>

According to Chapter III of the Water Quality Rules and Regulations, Section 7(b)(2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks \_\_\_\_\_

Mr. James G. Bensen  
May 7, 1993  
Page 2

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division review engineer receives information concerning the status of this project within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



Gary Steele, P.E.  
Southeast District Engineering Supervisor  
Water Quality Division

GS/nc 32230.LTR

cc: IPS

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

Herschler Building ● 122 West 25th Street ● Cheyenne, Wyoming 82002

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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January 4, 1995

Mr. James G. Bensen  
12930 Dusty Lane  
6130 Raderville Rt.  
Casper, WY 82604

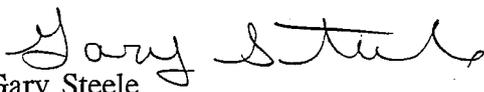
RE: Permit Application package 92-393

Dear Mr. Bensen:

Your application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct permitting process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further information. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Wyoming Water Quality Rules and Regulations must, be followed. Please contact the Natrona County Health Department for the permitting requirements for this facility if a Permit to Construct is pursued in the future.

Sincerely,

  
Gary Steele  
District Engineer  
Water Quality Division

GS/jn - 50038.ltr

cc: Natrona County Health Dept  
Don McKenzie, NE District Supervisor, DEQ/WQD, Sheridan

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

**PROJECT:** Bensen - Dusty Lane, Residential Septic System

**ENGINEER:** None

**APPLICANT:** James G. Bensen  
12930 Dusty Lane  
6130 Raderville Rt.  
Casper, Wy. 82604

**WATER QUALITY REFERENCE NUMBER:** 92-393

**REVIEWING ENGINEER:** Ronald L. Ewald

**DATE OF REVIEW:** December 24, 1992

**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION

**COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:**

- 1 of 4. This application packet was incomplete. An application along with a new design work packet needs to be submitted which incorporates all of the changes not included in the previous permit # 92-197.
- 2 of 4. Since no new information was submitted, it is assumed that the information supplied in permit #92-197 is still to be used in this design. Based on the previous perk rate and a new design load of 600 gallons per day (4 bedrooms) a minimum of 72 "Infiltrator" units would be required to service this property. Only 55 "Infiltrator" units are specified in the new plans - which is insufficient.
- 3 of 4. The new plot plan shows the leach field on the other side of a fence line. Is this area part of the applicant's property?
- 4 of 4. Submit new and complete plans for further review. Do not begin construction until plans are approved and a valid permit is issued.



RLE/bb/24771.1tr

cc: Natrona County Health Dept., Attn. John Drinnon



MIKE SULLIVAN  
GOVERNOR

## Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration  
(307) 777-7937

Air Quality Division  
(307) 777-7391

Land Quality Division  
(307) 777-7756  
FAX (307) 634-0799

Solid Waste Management Program  
(307) 777-7752

Water Quality Division  
(307) 777-7781  
FAX (307) 777-5973

December 28, 1992

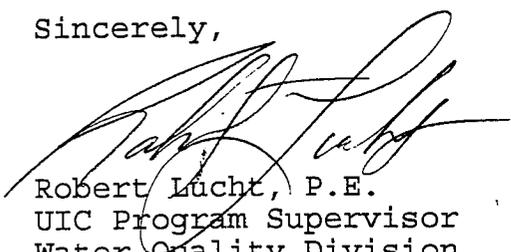
Mr. Paul W. Hynes, Chief Mine Engineer  
Tg Soda Ash, Inc.  
P.O. Box 100  
Granger, Wyoming 82934

RE: Tg Soda Ash Underground Tailings  
Draft Permit UIC 92-394, class 5X13  
Sweetwater County, Wyoming

Dear Mr. Hynes:

Enclosed please find one copy of the final signed permit which will allow the change in mechanical integrity testing which you requested. There is no public notice requirement under current Wyoming regulations, since you inject a product for the purpose of mine backfilling rather than waste disposal. This permit is effective now, you may begin to operate under this new permit. Issuance of this permit completely cancels permit UIC 91-144, which you were operating under.

Sincerely,



Robert Lucht, P.E.  
UIC Program Supervisor  
Water Quality Division

RL/bb/24773.1tr

Enclosure

DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE OF WYOMING  
GROUNDWATER POLLUTION CONTROL PERMIT  
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS  
(Permit to Inject)

( ) New  
(X) Modified

Permit Number 92-394  
REF. NO. 91-144  
UIC Class 5X13

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

Tg Soda Ash, Inc.  
P O Box 100  
Granger, WY 82934  
(307 875-2700

is authorized to operate

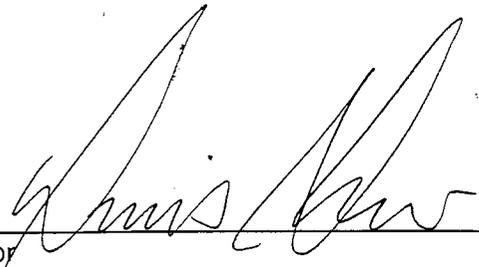
the Tg Soda Ash Underground Tailing disposal and mine backfilling system in Section 34, Township 20 North, Range 111 West, of the 6th Principal Meridian;

according to procedures and conditions of the application 92-394 and 91-144 and requirements and other conditions of these permits.

This permit shall become effective on date of issuance.

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

Jan 6, 1993  
Date

  
\_\_\_\_\_  
Director  
Department of Environmental Quality  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002

January 6, 1993  
Date

A. Discharge (Injection) Zone and Area of Review

Discharge Zone:

The injection wells authorized by this permit will inject into the mined out portions of the Tg Soda Ash Green River trona mine. This mine is located in Bed 20 of the wilkins peak member of the Green River Formation which is found at this location from 1,200 to 1,450 feet below the ground surface.

Area of Review:

The facility authorized by this permit is located in:

Township 20 North, Range 111 West, 6th Principal Meridian

Section 23: All  
Section 24: All  
Section 25: All  
Section 26: All  
Section 27: All  
Section 34: All  
Section 35: All  
Section 36: All

Township 19 North, Range 111 West, 6th Principal Meridian

Section 1: All  
Section 2: All  
Section 3: All

(This permit covers up to 10 individual injection wells located anywhere within the above described area.)

The Area of Review around this facility is legally described as:

Township 20 North, Range 110 West, 6th Principal Meridian

Section 8: All  
Section 15: All  
Section 16: All  
Section 17: All  
Section 18: All  
Section 19: All  
Section 20: All  
Section 21: All  
Section 28: NW¼  
Section 29: All  
Section 30: All  
Section 31: All  
Section 32: NW¼

Township 20 North, Range 111 West, 6th Principal Meridian

Section 13: All  
Section 14: SE¼  
Section 22: SE¼  
Section 23: All  
Section 24: All  
Section 25: All  
Section 26: All  
Section 27: All  
Section 34: All  
Section 35: All  
Section 36: All

Township 19 North, Range 111 West, 6th Principal Meridian

Section 1: All  
Section 2: All  
Section 3: All

B. Groundwater Classification

The groundwater in bed 20 of the wilkins peak member of the Green River Formation is classified as class IV (b) under chapter VIII of Wyoming Water Quality Rules and Regulations. This water contains in excess of 10,000 mg/l of Total dissolved Solids, but could be used for some specific industrial purposes. This permit is designed to prevent further degradation of this water.

C. Authorized Operations

The permittee is authorized to inject 20,571 barrels per day (864,000 gallons per day) per well of slurried trona tailings and processing plant wastewater. This permit covers a total of 10 wells for a total permit limit of 205,710 barrels per day (8,640,000 gallons per day) of total tailings as described:

The processing wastes described contain primarily dissolved Sodium Sesquicarbonate ( $\text{Na}_2\text{CO}_3 \cdot \text{NaHCO}_3 \cdot 2\text{H}_2\text{O}$ ) and may contain up to 40 mg/l of Ammonia as N in a matrix with a Total Dissolved Solids content of up to 280,000 mg/l. The tailings that are to be injected consist of shale breaks from within the ore itself suspended in the high TDS water. The shale breaks contain low grade oil shale. As of the writing of this permit, mine wastes are exempt from regulation as hazardous waste under RCRA.

The permittee is authorized to inject at a pressure of no more than 1,100 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded as required by section G of this permit. The pressure limitations on this permit are based on the strength of J-55 casing and the most extreme operating condition. The only reason it may be necessary to occasionally build some pressure is to cause the tailings to move away from the wells. The surface pressure at the wellhead will normally be kept at atmospheric or below. Any injection above atmospheric into an active underground mine may entail some risk to the facilities and personnel near the injection site. The decision to use increased pressure above normal shall be solely Tg Soda Ash Company's and Tg shall assume all risk and responsibility for damages which may occur from the operation.

Flyash or bottom ash from coal fired boilers may also be injected into this system at any concentration that the permittee sees fit. Prior to the injection of any coal ash, a standard TCLP test, or a test for the total concentration of the same constituents as the TCLP test shall be run. This test shall be submitted and written approval received from WQD prior to injection of the flyash. If at any time the source of coal used in the plant that produced the flyash should change, this approval step shall be repeated prior to injecting the ash from the new source.

The permittee may inject other wastes with prior approval of the Administrator, provided that these other wastes are tailings or process wastes generated by the Tg Soda Ash Green River operations. Any additional waste stream not specifically identified in the application shall be identified in writing and quality analyses shall be submitted for approval prior to injection under this permit.

Control of the tailings underground will be primarily by gravity, and gravity flow will be utilized to allow the tailings to fill selected areas previously mined out by shortwall mining methods. Entry into this area by personnel underground is presently prevented by a series of bulkheads which seal off the mined out sections of the mine from the active areas. Excess water will be decanted from this operation through the existing mine dewatering system and will be reused in the milling operation.

#### Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

#### D. Proper Operation and Maintenance

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the administrator.

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

#### E. Entry and Inspection

The permittee shall allow the administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.
3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

Because of the depth of injection, the type of waste, and the amount of groundwater sampling already required in the general vicinity of this facility, no groundwater monitoring plan is required.

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

Tg shall monitor the injection pressure on a continuous basis. This may be accomplished by the installation of a strip chart recorder or a circular chart recorder on the tailings line, either at the mill or at the wellhead. Due to the vacuum pressure at the wellhead, it may be more desirable to install this recorder at the mill. At Tg's option, this requirement may be met by connecting the pressure transducer to the process control computer at the plant. Printouts from the computer system can be used to document the monitored injection pressure.

Tg shall monitor the discharge volume on a continuous basis. The volume injected shall be recorded on a continuous recording device, either the same device used to record pressure or a different device. Connection of the volume meter with the process control computer will satisfy the requirement to continuously monitor the discharge volume. Printouts from this system can be used to document the monitored discharge volume.

Tg shall monitor the volume of water reclaimed from the mine on a continuous basis. This volume shall be recorded on a similar device to the one recording the volumes injected. The function of all of these devices is to produce a record that can be used in mass balance calculations. At the end of each year of operation. Tg shall perform a mass balance calculation showing the total net volume of tailings and water that has been deposited in the mine. This calculation can be done to any closing date that Tg finds convenient, but the same date shall be used in subsequent year's calculation. The results of this calculation shall be included in the annual mining report submitted to the Land Quality Division.

Tg Soda Ash has provided an analysis of the water fraction of the tailings to be injected for all metals listed on Land Quality Division's Guideline 8 for trona in-situ mines. At each five year anniversary of this permit, these analyses shall be repeated.

#### H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

#### I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. The permittee shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified in section C and/or Section G of this permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. the report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.

A written submission shall be provided within 5 days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to

continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the administrator, it shall promptly submit such facts or information.
9. The permittee shall retain all records concerning the nature and composition of injected fluids until 5 years after completion of any specified plugging and abandoned procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a groundwater pollution control permit has been issued by the department for the proposed operation, and:
  - a. Well construction is complete and the permittee has submitted notice of completion of construction to the administrator,
  - b. The administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the administrator of intent to inspect or otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived, and
  - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the administrator.
11. Annual reports shall be submitted to the administrator within 30 days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the administrator within 30 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;
2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every 5 years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity which changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the council.

This operation (permit) can be terminated by authority of the administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every 10 years by the administrator.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Abrasion of the well tubing may or may not be a significant factor. For this reason, and because it is not possible to project the abrasive qualities of the tailings when acting directly on J-55 tubing, a logging program is required. At the time of construction of the first well under this permit, a high sensitivity caliper log or an electro magnetic casing inspection log shall be run from the bottom of the casing to the top. After twelve (12) months of operation, this same log shall be repeated. If the results of this log show more than 20% reduction in the wall thickness of the casing after twelve (12) months of operation, this log shall be repeated every twelve (12) months thereafter. This caliper log shall be accurate enough to measure changes in average diameter of 1/10th of the wall thickness of the casing. At the conclusion of the test, a report shall be prepared dealing with the results of this logging. This report shall be submitted to Water Quality Division within 30 days of the twelve (12) month anniversary of this permit.

Based on the result of this work, Water Quality Division may require that this logging program continue, that it be deleted from the permit, or that additional permit requirements are necessary.

Once, before the injection begins, the casing in each well shall be logged using a standard Cement Bond Log including a microseismogram. Before running the casing, a base lithology log shall be run consisting of a natural gamma curve at a minimum. More advanced electrical logs may be substituted for this base log at Tg's option. Good cement bond is required from the bottom of the J-55 casing to the top of each well drilled under this permit.

At each occasion when the tubing is being pulled for any reason, a log shall be run to verify the location of the bottom of the casing string.

All logs run on any well shall be submitted to the WQD UIC program in Cheyenne and a copy shall be submitted to the Land Quality Division district office in Lander, within 90 days of the date when they are run.

Any time Tg becomes aware, by any means whatsoever, that any injection well has lost mechanical integrity, Tg shall immediately shut in that well and report by telephone to the Water Quality Division at 777-7095 as well as the Land Quality Division district office at 332-3047. WQD and LQD will decide jointly with Tg on what remedial actions may be required if that should happen.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the administrator.

L. Abandonment

The permittee shall notify the administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the director and follow the procedures prescribed by the director for plugging and abandonment or the discontinuance of related activities:

At the time of final abandonment of any well under this permit, a cast iron bridge plug shall be permanently set 50 feet above the bottom of the J-55 casing. Type H cement shall be placed in the casing by pumping through tubing as the tubing is withdrawn. This procedure shall be followed until the entire casing is cemented back to the surface. At the surface, the casing shall be cut off 5 feet below grade and the surface reclaimed in accordance with applicable provisions of the permit to mine.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the administrator within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in a form approved by the director, to close, plug and abandon the discharge operation in a manner prescribed by the director.

Tg shall include the cost of abandonment for each well drilled under this permit in its annual bond calculation under its LQD permit to mine. Under this provision, these costs will be automatically updated each year if more wells are drilled or if there are any changes made that significantly alter the cost of reclamation. For this reason, WQD does not consider additional financial responsibility documentation necessary.

O. Special Measures the Director Finds Necessary

The discharge pipeline from the mill to the injection well will operate under a static head determined by the elevation of the wellhead and the elevation of the mill. An alarm shall be placed on this

discharge pipeline that will alert the mill personnel any time the pressure falls in such a way as to indicate that there is a breached pipeline on the surface.

P. Special Permit Conditions

Pollution or waste which migrates into an aquifer containing a usable groundwater of the state is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, state, federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the department director.

T. Responsibilities

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

U. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

RL/nc 24407.LTR

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 92-395R

**Teton Mountaineering**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Chuck Schaap

P.O. Box 1533

Jackson, WY 83001

to construct a 4 inch diameter DIP water line with check valves according to the procedures and conditions of the application No. 92-395R. The facility is located in SW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 34, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2/26/93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi

PERMIT TO CONSTRUCT

New

Permit No. 92-396R

Renewal

Modified

Teton Pines Water Line Relocation  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Teton Pines Limited Partnership

3450 N. Clubhouse Drive

Jackson, WY 83001

to construct an eighty (80) foot relocation of 8 inch water main according to the procedures and conditions of the application No. 92-396R. The facility is located in NE¼, Section 14, T41N, R117W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

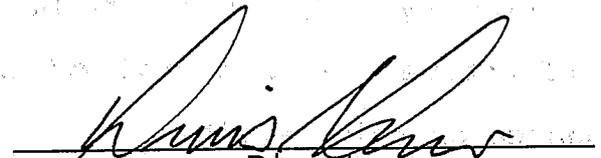
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
Administrator  
Water Quality Division

  
Director  
Dept. of Environmental Quality

4-28-93  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH:mam

PERMIT TO CONSTRUCT

New

Permit No. 92-397R

Renewal

Modified

Ellison Small Wastewater Treatment Facility  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Lyle A. and Peggy A. Ellison

P.O. Box 521

Basin, WY 82410

to construct a leach field and septic tank according to the procedures and conditions of the application No. 92-397R. The facility is located in NW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 9, T51N, R93W in the County of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

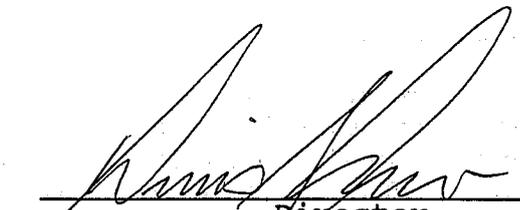
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2-17-93  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RR/rjr

PERMIT TO CONSTRUCT

New

PERMIT NO. 92-398

Renewal

Modified

VERNON CLYDE SEPTIC SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Vernon Clyde  
23544 Hwy 85 N., Box 651  
Newcastle, WY 82701

to construct, install or modify a single family septic system according to the procedures and conditions of the application No. 92-398. The facility is located in NE/4, Section 33, Township 46 North, Range 61 West, in the County of Weston in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities

allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801; telephone, 672-6457.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator  
Water Quality Division



Director  
Dept. of Environmental Quality

12-17-92

Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DRM ✓  
DRM/pr:12/10/92

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 92-399RR  
\* CONDITIONS \*

Star Valley Ranch North Airstrip Well #1  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Star Valley Ranch Association

P.O. Box 159

Thayne, WY 83127

to construct a well according to the procedures and conditions of the application No. 92-399RR. The facility is located in NW $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 31, T35N, R118W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

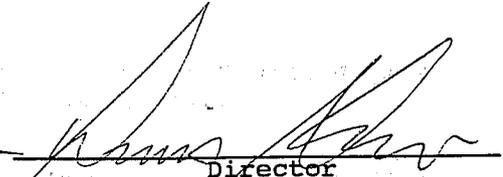
Nothing in this permit shall be construed to preclude the institution of any

legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

2-8-93  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

RT/jyi

\* CONDITIONS 1 and 2 \*

- 1 of 2      Submit as built drawings upon completion of well construction.
- 2 of 2      Submit water quality analysis from the well demonstrating that all applicable Environmental Protection Agency (EPA) monitoring requirements are within limits allowed by the EPA.